



2017



## ENGLISH & SCIENCE

Online / Handwritten

Science  
Grade V - VI



*Test Your knowledge  
Take A Quiz!*

The quiz is a form of student assessment that measures knowledge, skills, and abilities. A quiz is generally a short assessment that can gauge a student's retention and comprehension. A quiz can function throughout a course as an informative feedback device, allowing both the instructor and the students to see where they are excelling or need more focus. In order to organize quizzes effectively, it is important to establish and understand the learning objectives that are being measured.



- Q. 1 When a soap turned green with red cabbage indicator, so it is considered a
- a. acid
  - b. base
  - c. neutral
  - d. none of the above
- Q. 2 Equal size balls of cork, lead and aluminum are placed in water. Which will float?
- a. lead
  - b. cork
  - c. aluminum
- Q. 3 An object is buoyant in water because
- a. water pressure increases with depth
  - b. water pressure decreases with depth
  - c. the object is heavy
  - d. the water pressure stays the same
- Q. 4 Water pressure is defined as
- a. presses downward on an object
  - b. presses upward on an object
  - c. presses both upward and downward on an object
  - d. does not press upward or downward on an object
- Q. 5 Torque force does NOT rotate or turn things.
- a. True
  - b. False
- Q. 6 The position of the sun, the earth and the moon determine \_\_\_\_\_ .
- a. seasons and moon phases
  - b. lunar and solar eclipse
  - c. high and low tide
  - d. all of the above
- Q. 7 Rusting is NOT a physical reaction.
- a. True
  - b. False
- Q. 8 \_\_\_\_\_ formed likely as a result of plate movement.
- a. sandy beaches
  - b. mountain ranges
  - c. ocean currents
  - d. global winds
- Q. 9 Why does the Earth experience seasons?
- a. The sun gets hotter in the Spring and Summer
  - b. The Earth receives less sun in the Fall and Winter
  - c. The tilt of the Earth toward and away from the sun
  - d. The distance between the Sun and the Earth

- Q. 10 Experiments are usually only done one time and only by one person or team in order to speed up the scientific process.
- a. True b. False
- Q. 11 Which system protects the body and gives it structure.
- a. muscular b. digestive  
c. skeletal d. circulatory
- Q. 12 If I pull apart a ball of clay, I created a \_\_\_\_\_ .
- a. A chemical reaction b. No change  
c. A physical change d. A gas
- Q. 13 Which of the following is a physical feature of matter?
- a. age b. shape  
c. beauty d. location
- Q. 14 Velocity is defined as :
- a. the same as speed. b. the same as acceleration.  
c. speed in a given direction. d. the same as momentum.
- Q. 15 An example of potential energy is
- a. a ball rolling down a hill b. a ferris wheel  
c. a rock sitting on top of a hill d. an apple falling from a tree
- Q. 16 Which of these is a way of acting? Ex. Many animals are born with instincts that help them survive.
- a. Inherited trait b. Inherited behavior  
c. Learned behavior d. Learned cycle
- Q. 17 In a movable pulley, both the direction of the load and the direction of the pulling force moves in the same direction.
- a. True b. False

Q. 18 What converts energy to another type in hydroelectric dams?

- a. power lines
- b. kinetic
- c. reservoir
- d. turbine

Q. 19 Which of the following is an example of a behavioral adaptation of animals?

- a. a duck's webbed feet
- b. monarch butterflies migrating in winter
- c. eagle using sharp talons when hunting
- d. the thick fur of a polar bear

Q. 20 What is a meteorite?

- a. a bright streak of light that passes through Earth's atmosphere
- b. large clouds of gas and dust in space that is the beginning or ending of a star
- c. a piece of a meteor that lands on earth after passing
- d. a group of stars that appear to make a pattern

Q. 21 What process do plants carry out?

- a. respiration only
- b. photosynthesis only
- c. both respiration and photosynthesis
- d. neither respiration nor photosynthesis

Q. 22 DNA is found in a cell's membrane.

- a. True
- b. False

Q. 23 Rocks cycle through the Earth system.

- a. True
- b. False

Q. 24 Why is diversity important in animal populations?

- a. It helps animals get along with each other
- b. Different traits in the animals help it survive
- c. It makes the animals more attractive to each other

Q. 25 Which measurement tool would give different results on the International Space Station than on Earth, even when measuring the same object?

- a. tape measure
- b. ruler
- c. dropper
- d. spring scale

- Q. 26 What is a burst of heat and energy that stretches from the surface of the Sun into space?
- a. sunspots  
c. corona
- b. solar flare  
d. fusion
- Q. 27 What kind of special mixture where one substance dissolves in another?
- a. solution  
c. astronomy
- b. mixture  
d. water
- Q. 28 What could happen If a population's needs are not met?
- a. The population would grow.  
c. The population would not change.
- b. The population may get smaller.
- Q. 29 Energy comes in all different forms.
- a. True  
b. False
- Q. 30 Where is the tornado alley?
- a. New York/New Jersey area  
c. Great Plains area
- b. California  
d. Canada
- Q. 31 What is a tornado watch?
- a. wind and rain may create a tornado  
c. warning that severe thunderstorms with tornadoes
- b. tornado storms may be possible  
d. None of the above
- Q. 32 What kind of energy does a stove give off that causes food to cook?
- a. chemical energy  
c. electrical energy
- b. thermal energy  
d. light energy
- Q. 33 Which property of the glass pieces will be the most similar?
- a. size  
c. shape
- b. mass  
d. density
- Q. 34 When creating a graph or table or results/data, you should include labels, titles, and neat work.
- a. True  
b. False

Q. 35 The Scientific Method was developed to help scientists organize the process of solving problems.

a. True

b. False

Q. 36 Gears cannot be used to changed the torque or turning force, needed to move something.

a. True

b. False

Q. 37 Which machine has the greatest mechanical advantage?

a. Load = 48 kg, Effort = 12 kg

b. Effort = 10 kg, Load = 20 kg

c. Load = 100 kg, Effort = 100 kg

d. Effort = 1 kg, Load = 10 Kg

Q. 38 A \_\_\_\_\_ is a group of similar organisms that can mate with each other and produce offspring that can also mate and reproduce.

a. Genus

b. Animalia

c. Vertebrae

d. Species

Q. 39 \_\_\_\_\_ is the smallest unit of matter.

a. An atom

b. An electron

c. A neutron

d. A proton

Q. 40 The law of \_\_\_\_\_ of energy states that energy cannot be created or destroyed.

a. transformation

b. absorption

c. conservation

d. stability

Q. 41 Scientist use \_\_\_\_\_ technology to locate airplanes and weather in the sky.

a. radar

b. sonar

c. hubble

d. seismograph

Q. 42 Ms. Stewart is riding fast on a skateboard when her wheel suddenly gets stuck in a crack on the sidewalk. Why does her body go flying forward?

a. there is a net force pushing you off your skateboard

b. your inertia keeps you moving forward

c. someone pushed you

Q. 43 What is a tornado warning?

- a. When it is rainy and windy
- b. When it is windy outside
- c. When a tornado has been spotted
- d. When conditions favor a tornado

Q. 44 Which of these is not a characteristic of a mammal?

- a. They have hair.
- b. They lay eggs.
- c. They give milk.
- d. They are warm blooded.

Q. 45 An object that does not conduct electricity is called \_\_\_\_\_ .

- a. insulator
- b. electromagnet
- c. static electricity
- d. conductor

Q. 46 During the water cycle water moves \_\_\_\_\_ .

- a. only between clouds
- b. between lakes and soil
- c. between plants and soil
- d. between earth and air

Q. 47 What material will make a good insulator of electricity?

- a. copper wire
- b. aluminum foil
- c. gold wire
- d. plastic

Q. 48 What category of animal has hair?

- a. Reptile
- b. Amphibian
- c. Mammal
- d. Bird

Q. 49 Jupiter rotates \_\_\_\_\_ Earth.

- a. as fast as the
- b. slower than the
- c. faster than the
- d. None of the above

Q. 50 You can convert kinetic energy into electrical energy.

- a. True
- b. False

Q. 51 Which tool is used to measure rain?

- a. thermometer
- b. rain gauge
- c. hand lens

- Q. 52 Which of the following does NOT belong as a group classification of living things?
- a. species
  - b. domain
  - c. democracy
  - d. kingdom
- Q. 53 Porcupines have sharp quills. How do they use this adaptation?
- a. to find food
  - b. to find water
  - c. for protection
  - d. to survive in its environment
- Q. 54 What is an example of a mass movement?
- a. landslide
  - b. erosion
  - c. ice
  - d. wind
- Q. 55 How much small you need a microscope to see it?
- a. ingest
  - b. single-celled
  - c. multicellular
  - d. microscopic
- Q. 56 Puffy, white clouds with flat bottoms are called \_\_\_\_\_ .
- a. cumulus clouds
  - b. cirrus clouds
  - c. stratus clouds
  - d. cirrostratus clouds
- Q. 57 Warmer air masses are called \_\_\_\_\_ .
- a. Polar
  - b. Arctic
  - c. Tropical
  - d. Winding
- Q. 58 The north and south poles of two magnets \_\_\_\_\_ .
- a. repel each other
  - b. create friction
  - c. attract each other
  - d. create new magnets
- Q. 59 The high gear on a bike has the following effect:
- a. Makes it easier to go up hill as you don't need to apply as much force
  - b. Makes you move faster but requires more effort
  - c. Makes you move faster but requires less effort
  - d. Makes it easier to go uphill but requires more effort to go uphill



Q. 68 Which is not an example of static electricity?

- a. Two magnets sticking together
- b. Paper sticking to a balloon
- c. Lightning
- d. Socks sticking together out of the dryer

Q. 69 What kind of energy comes from the motion of charged particles?

- a. thermal energy
- b. chemical energy
- c. electrical energy
- d. mechanical energy

Q. 70 A wedge is defined as:

- a. uses a wheel and axel to help move objects
- b. is an inclined plane wrapped around an axel
- c. is made up of two inclined planes
- d. has a lever arm and a fulcrum

Q. 71 Which of these would be called Results?

- a. Counting Loud Cricket Chirps
- b. Seeing Crickets Chirp Outside
- c. Wondering Why Crickets Chirp
- d. Number of Cricket Chirps Per Minute

Q. 72 An organism is made up of only one cell is called \_\_\_\_\_ .

- a. ingest
- b. multicellular
- c. single-celled
- d. microscopic

Q. 73 Nurse sharks are nocturnal. This means they hunt at night and sleep in the day. What kind of adaptation is this?

- a. behavioral
- b. physical
- c. life-cycle
- d. predatory

Q. 74 \_\_\_\_\_ can be made by adding solids in water.

- a. Solutes
- b. Solvents
- c. Saturated
- d. Solutions

Q. 75 Organs in plants and animals are part of a(n) \_\_\_\_\_ .

- a. cell membrane
- b. tissue
- c. organ system

Q. 76 The prefix geo in the word geosphere refers to \_\_\_\_\_ .

- a. land
- b. space
- c. air
- d. water

Q. 77 The structure of an insect allows it to be classified as a(n) \_\_\_\_\_ .

- a. organ system  
b. invertebrate  
c. tissue

Q. 78 Inferring is defined as explaining or interpreting the things you observe.

- a. True  
b. False

Q. 79 Global warming is threatening the stability of tundra biomes.

- a. True  
b. False

Q. 80 \_\_\_\_\_ system includes the bones in our body.

- a. skeletal  
b. muscular  
c. circulatory  
d. nervous

Q. 81 The craters on the moon were created by...

- a. satellites  
b. meteoroids  
c. comets  
d. equipment from human exploration of the moon

Q. 82 As cell division do not starts the nuclear membrane disappears.

- a. True  
b. False

Q. 83 What type of food would this bird eat with this beak?

- a. grubs (bugs)  
b. buds / fruit  
c. seeds

Q. 84 The molecule that captures the sun's energy and gives a plant its green color is called \_\_\_\_\_ .

- a. centriole  
b. metamorphosis  
c. amoeba  
d. chlorophyl

Q. 85 The trees that carry cones are called \_\_\_\_\_ .

- a. conifers  
b. deciduous  
c. corneas  
d. herbivores

- Q. 86 Which one is better for identifying the mineral?
- a. color is better than streak  
b. streak is better than color  
c. streak is as good as color  
d. streak and color are not properties of minerals
- Q. 87 The ocean water influences weather and weather patterns of nearby land. Water absorbs heat more slowly than land does; it also \_\_\_\_\_ more slowly than land does.
- a. Loses heat  
b. Dries out  
c. Gains energy  
d. Gains heat
- Q. 88 Wind moves around the world \_\_\_\_\_, not straight north or south.
- a. Slowly  
b. Swiftly  
c. East to west  
d. In curved paths
- Q. 89 A cold ocean current along the eastern coast of Canada is the \_\_\_\_\_.
- a. Labrador Current  
b. Gulf Stream  
c. El Nino  
d. Hurricane Katrina
- Q. 90 The forms of precipitation such as rain and snow fall onto areas of land that drain into rivers. These areas are called \_\_\_\_\_.
- a. Reservoirs  
b. Aquifers  
c. Canals  
d. Watersheds
- Q. 91 Rain dissolves \_\_\_\_\_ from soil and rocks, then streams and rivers carry it to the ocean.
- a. Fresh water  
b. Volcanoes  
c. Salt  
d. Rock
- Q. 92 What affects the ocean tides?
- a. salt  
b. moon  
c. sun  
d. sand
- Q. 93 Which subregion in the United States is located in the Grassland Biome?
- a. Mid Atlantic  
b. Great Lakes  
c. Pacific  
d. Great Plains

Q. 94 A storm produced in the clouds that always produces thunder and lightning is called a \_\_\_\_\_.

- a. blizzard
- b. hail
- c. thunderstorm
- d. tornado

Q. 95 Outer planets are known as \_\_\_\_\_ planets while inner planets are known as \_\_\_\_\_ planets.

- a. rocky, gaseous
- b. smooth, rocky
- c. gaseous, rocky
- d. rocky, smooth

Q. 96 Potential energy is a stored energy.

- a. True
- b. False

Q. 97 What is a group of compounds that is made of sugars?

- a. Proteins
- b. Lipids
- c. Amino Acids
- d. Carbohydrates

Q. 98 What planet has the most moons?

- a. Jupiter
- b. Mars
- c. Earth
- d. Uranus

Q. 99 These clouds covers the whole sky and look dark.

- a. stratus
- b. cirrus
- c. cumulonimbus
- d. altocumulus

Q. 100 By using wind power to make electricity,the energy is called \_\_\_\_\_ .

- a. Heat Energy
- b. Solar Energy
- c. Wind Energy
- d. Light Energy

Q. 101 The system that removes waste materials from the blood.

- a. muscular
- b. skeletal
- c. excretory
- d. circulatory

Q. 102 Igneous rock is formed from:

- a. crystals left behind when water evaporated
- b. meteorites that fell to Earth
- c. melted rock material that cooled and hardened
- d. layers of sediment that were squeezed together

- Q. 103 How many different atoms are in the formula  $Ga_{16}H_2SNe$ ? (HINT: Draw a picture to help you)
- a. 1 b. 4  
c. 6 d. 20
- Q. 104 Between the 1650's and the 1860's several scientists studied cells. They repeatedly tested their ideas and, eventually, a summary of what they learned was developed. This summary of what is known about cells is called \_\_\_\_\_ .
- a. the cell history. b. the cell theory.  
c. the cell mystery. d. the development of cells.
- Q. 105 Which kind of the work requires rotational force or torque?
- a. Pushing a wagon up a ramp b. Pushing two blocks apart by hammering a wedge between them.  
c. Pulling up a load using a single pulley system d. None of the above
- Q. 106 A graduated cylinder is used to \_\_\_\_\_ .
- a. measure the mass of an object b. measure the volume of a liquid  
c. measure the temperature of a liquid d. magnify a small object in order to view
- Q. 107 Veins are blood vessels that carry blood \_\_\_\_\_ .
- a. away from the heart b. back to the heart  
c. back to the lungs d. between cells of the body
- Q. 108 A water bottle lid is a screw.
- a. True b. False
- Q. 109 It is called \_\_\_\_\_ when male birds show off to the females.
- a. showcase b. clutch  
c. courtship d. incubation
- Q. 110 What is the symbol for lead?
- a. L b. Ld  
c. Le d. Pb

Q. 111 Particles in salts arrange themselves in regular, geometric patterns to form \_\_\_\_\_ .

- a. atoms  
b. crystals  
c. elements  
d. electrons

Q. 112 Which of the following is a mixture?

- a. gold  
b. steel  
c. iron  
d. nickel

Q. 113 A four pulley system has a mechanical advantage of:

- a. 0  
b. 1  
c. 1.33  
d. 4

Q. 114 A mechanical advantage of 1 is the same as no mechanical advantage.

- a. True  
b. False

Q. 115 A in single fixed pulley has a mechanical advantage of:

- a. 1  
b. 1.33  
c. 4  
d. 0

Q. 116 A solution is dilute if it \_\_\_\_\_ .

- a. has a lot of solute  
b. has little solute  
c. has no solute  
d. has so much solute, no more can be dissolved

Q. 117 Which type of planter was named after the Roman Messenger to the Gods?

- a. Venus  
b. Mercury  
c. Mars  
d. Saturn

Q. 118 Which of the following best describes the location of the tundra biome?

- a. Southern hemisphere  
b. Northern hemisphere  
c. Subtropics  
d. Tropics

Q. 119 What tubes in plants carry food?

- a. phloem  
b. xylem  
c. chlorophyll  
d. spore

Q. 120 What is the purpose of platelets in the blood?

- a. to make new blood cells
- b. to produce hemoglobin
- c. to regulate the temperature in the blood
- d. To slow down the flow of blood through damaged

Q. 121 What is Sound Energy?

- a. Energy that travels in waves through vibrating
- b. Energy that travels in waves like light from our stars.
- c. It is plain kinetic energy.
- d. It is moving electrons.

Q. 122 Which state of matter has no definite shape or volume?

- a. plasma
- b. gas
- c. liquid
- d. solid

Q. 123 What is the function of the anus?

- a. To get rid of all the fats in your body.
- b. To help control the sugar levels on your body.
- c. To absorb water and eliminate waste.
- d. To release solid waste (feces) from the body.

Q. 124 Which of the following refers to an atom's dense center?

- a. nucleus
- b. brain
- c. mass
- d. hypothesis

Q. 125 What can you do to cake batter to cause a chemical change?

- a. Mix it.
- b. Cool it.
- c. Heat it.
- d. Freeze it.

Q. 126 If I add 16 ounces of glue to 20 ounces of borax water, what will my total weight be?

- a. 4 ounces
- b. 380 ounces
- c. 2 ounces
- d. 36 ounces

Q. 127 If I dissolve 5 grams of salt into 100 grams of water, how much salt would is left when the water evaporates?

- a. 0 grams
- b. 500 grams
- c. 105 grams
- d. 5 grams

Q. 128 A family of four (mom, dad, brother, sister) uses on average \_\_\_\_\_ gallons of water each day.

- a. 400
- b. 50
- c. 100

Q. 129 Animals with a backbone are called\_\_\_\_\_.

- a. invertebrates
- b. herbivores
- c. vertebrates
- d. stiff

Q. 130 Scientists use the term faulting to refer to the formation of faults. Depending on the situation, faulting can act as a constructive or a destructive force. Which of the following best shows how faulting can act as a constructive force?

- a. Rock moves sideways along a fault with no change in elevation.
- b. Rock moves upward along faults to form a
- c. Faulting produces an earthquake that causes a local bridge to collapse.
- d. Rocks are worn down as they grind past each other along a fault.

Q. 131 This system controls other organs.

- a. respiratory
- b. nervous
- c. excretory
- d. skeletal

Q. 132 An axe is an inclined plane.

- a. True
- b. False

Q. 133 A mountain is a

- a. a low area of land between hills or mountains
- b. a deep valley with steep sides that is usually formed by a river
- c. high area of land that is much taller than the land
- d. a high, steep surface made of rock, soil or ice.

Q. 134 What is a living factor called, such as trees or grass?

- a. carbon dioxide
- b. controlled experiment
- c. biotic factor
- d. abiotic factor

Q. 135 Thermal energy is defined as \_\_\_\_\_ .

- a. kinetic.
- b. potential.
- c. both kinetic and potential.
- d. neither kinetic nor potential.



- Q. 145 A solid is a state of matter that has a definite volume, but not a definite shape.
- a. True b. False
- Q. 146 Which type of clouds can cause thunderstorms?
- a. stratus b. fog  
c. cumulonimbus d. altocumulus
- Q. 147 Which type of Kingdom has organisms that absorb their food from decaying animals?
- a. Bacteria b. Protist  
c. Fungi d. Animal
- Q. 148 Which of the following describes where organisms can live?
- a. there is sunlight b. there is dry land  
c. they can move around d. their needs are met
- Q. 149 Nearly \_\_\_\_\_ % of the air you breathe is nitrogen gas.
- a. 50% b. 60%  
c. 80% d. 175%
- Q. 150 What area of land, smaller than a continent, that has water around it and is bigger than a hill?
- a. cliff b. island  
c. cave d. valley
- Q. 151 What does saliva do?
- a. makes it easier to swallow b. makes food taste better
- Q. 152 Organisms that get their food by breaking down the nutrients in dead organisms or animal wastes are called \_\_\_\_\_ .
- a. Producers b. Amino Acids  
c. Decomposers d. Consumers
- Q. 153 How much of the Earth is covered in water?
- a. 80% b. 75%  
c. 97% d. 70%

- Q. 154 Which best describes what happens to the material that an organism is made of when it dies?
- a. The matter is converted to light energy and it is used by plants.      b. The matter is broken down by decomposers.
- c. It is converted into rock crystals and sand in the ground.      d. It dissolves until it has all disappeared.
- Q. 155 The crust that lies beneath the ocean is called the oceanic crust.
- a. True      b. False
- Q. 156 A leaky toilet can waste \_\_\_\_\_ gallons of water a day.
- a. 25      b. 100
- c. 200
- Q. 157 The transfer of energy that is carried in rays, like light, is called \_\_\_\_\_ .
- a. Sun      b. Radiation
- c. Convection      d. Conduction
- Q. 158 Which of the following tools could be used to study tiny details on an object?
- a. Beaker      b. Meter Stick
- c. Balance      d. Hand Lens
- Q. 159 If some people eat a hamburger with lettuce and tomatoes, which type of consumer are they?
- a. herbivores      b. carnivores
- c. omnivores      d. predators
- Q. 160 Where is the sense of balance housed?
- a. external ear      b. middle ear
- c. inner ear
- Q. 161 What kind of animal has sharp teeth to chew through an animal's flesh?
- a. prey      b. instinct
- c. carnivore      d. decomposer



Q. 170 A zebra eats grass and then is eaten by a lion. Which is the predator in this situation?

- a. Grass
- b. Zebra
- c. Lion
- d. Sun

Q. 171 The Pituitary Gland releases sugar in the bloodstream.

- a. True
- b. False

Q. 172 Homeostasis is when the systems in your body are not working together and so your body is trying to get them all back on track.

- a. True
- b. False

Q. 173 \_\_\_\_\_ is a large body of water with land all around it.

- a. ocean
- b. river
- c. lake
- d. creek

Q. 174 Which animal is an herbivore?

- a. cow
- b. tiger
- c. people

Q. 175 The flow of energy through a community is a food web.

- a. True
- b. False

Q. 176 What is an optical phenomenon that causes a spectrum of light to appear in the sky?

- a. lens
- b. rainbow
- c. frequency
- d. crest

Q. 177 A smooth surface that reflects light to form an image is called a \_\_\_\_\_ .

- a. mirror
- b. lens
- c. optical axis
- d. camera

Q. 178 What is the process of grouping things that are based on their similarities?

- a. Punnett Square
- b. Classification
- c. Taxonomy
- d. DNA



Q. 187 All the living and nonliving things that surround and affect an organism is called a/an \_\_\_\_\_ .

- a. Environment
- b. Life cycle
- c. Learned behavior
- d. Mitosis

Q. 188 Natural fires are an important part of grassland ecosystems. Grass fires break down dead material, clear out shrubs, and cause some seeds to sprout. Why would it be a useful adaptation for a seed to need fire to sprout?

- a. It would prevent the plant from sprouting during the dry season.
- b. It would prevent the sprouting plant from ever getting burned by fire.
- c. It would ensure that the plant sprouted only during the snowy season.
- d. It would ensure that the area is clear of other types

Q. 189 What happens to a gas when the temperature decreases?

- a. It expands.
- b. It rises.
- c. It condenses.
- d. It becomes less dense,

Q. 190 How can a student decide whether a cell is from a plant or an animal cell?

- a. If the cell has a cell wall, it must be from a plant.
- b. If the cell has cytoplasm, it must be from a plant
- c. If the cell has a nucleus, it must be from an animal
- d. If the cell has a cell membrane, it must be from an animal

Q. 191 If two objects attract each other equally, the one with \_\_\_\_\_ mass will move toward the other one.

- a. closer
- b. lesser
- c. equal
- d. greater

Q. 192 An example of erosion would be

- a. a water slide
- b. a garden in the backyard
- c. a newly planted plant
- d. Grand Canyon

Q. 193 Adaptation can include any special characteristics or skills that help a living thing survive in its environment.

- a. True
- b. False

Q. 194 The nature of ocean water is \_\_\_\_\_ .

- a. salty
- b. odorless
- c. tasteless
- d. sweet



Q. 204 Energy of a moving object is \_\_\_\_\_ .

- a. Potential energy  
b. Kinetic energy  
c. Action force

Q. 205 Skin is an example of an

- a. cell  
b. organ  
c. tissue  
d. organ system

Q. 206 Are all animals consumers?

- a. Yes  
b. No

Q. 207 \_\_\_\_\_ can live on both land and water.

- a. amphibians  
b. reptiles  
c. invertebrates

Q. 208 Mammals, fish, amphibians, reptiles, and birds are the five divisions of \_\_\_\_\_.

- a. invertebrates.  
b. insects.  
c. vertebrates.

Q. 209 What is the primary cause of seasons?

- a. the tilt on the earth's axis  
b. the distance from the sun  
c. the amount of gravity on earth  
d. none of the above

Q. 210 Which part of a bear's body processes waste?

- a. heart  
b. pancreas  
c. bone  
d. kidney

Q. 211 An object floats on a liquid because it is less dense than the liquid.

- a. True  
b. False

Q. 212 A substance which takes the shape of its container and has a definite volume is a

- a. solid.  
b. liquid.  
c. gas.  
d. crystal.



- Q. 221 A deep sleep in which an animal's body temperature drops and body activities are slowed to conserve energy is called \_\_\_\_\_ .
- a. Learned behavior  
b. Migration  
c. Hibernation  
d. Relaxation
- Q. 222 Which term describes everything that surrounds an organism?
- a. environment  
b. water environment  
c. variable  
d. biotic factor
- Q. 223 Whats an example of a decomposer?
- a. mushroom  
b. frog  
c. grass  
d. lion
- Q. 224 Wild fires are considered natural disasters.
- a. True  
b. False
- Q. 225 The continents on Earth used to be combined together, and the supercontinent was called Pangaea.
- a. True  
b. False
- Q. 226 The order of the levels of classification are domain, phylum, kingdom, class, order, family, genus, and species.
- a. True  
b. False
- Q. 227 Alveoli are made of a (structure) called \_\_\_\_\_ .
- a. Cartilage  
b. strong muscle  
c. thin, skin-like membrane  
d. tubes
- Q. 228 Which one of the following is a constructive force of nature?
- a. volcano  
b. tsunami  
c. hurricane  
d. erosion
- Q. 229 A hill of sand, made and shaped by the wind is a
- a. jetty  
b. dune  
c. sinkhole  
d. delta

Q. 230 Mitochondrion are:

- a. a jelly-like substance that fills plant and animal cells.
- b. the stiff outer layer of a plant.
- c. the cell energy processor.
- d. the storage space.

Q. 231 \_\_\_\_\_ have hair or fur.

- a. vertebrates
- b. mammals
- c. birds

Q. 232 Which is the most responsible for seasons?

- a. how close we are to the sun
- b. the earth's rotation
- c. the earth's tilt
- d. all of the above

Q. 233 Carbohydrate digestion starts in the \_\_\_\_\_ .

- a. small intestine
- b. esophagus
- c. stomach
- d. mouth

Q. 234 What kind of hot, liquid rock spews out of an erupting volcano?

- a. ash
- b. magma
- c. lava
- d. carbon dioxide

Q. 235 Why do large trees have a difficult time living in the tundra?

- a. A tundra is too hot for trees to grow large
- b. Animals that live in a tundra destroy most vegetation
- c. Flooding occurs too often in a tundra for large trees to grow
- d. The soil in a tundra is too poor for large trees to

Q. 236 Which layer of Earth do plants and animals live on?

- a. inner core
- b. outer core
- c. mantle
- d. crust

Q. 237 A petrified fossil is:

- a. when minerals replace all or part of an organism
- b. solid copy of the shape of an organism
- c. an extremely thin coating of carbon on rock
- d. A carbon film

Q. 238 Which one of the following is an example of a colloid?

- a. Gelatin
- b. A mixture of salt and water
- c. Flour Dough
- d. A mixture of sugar and water

Q. 239 Fresh water is a precious resource. People build \_\_\_\_\_ across rivers to create \_\_\_\_\_ of fresh water.

- a. Chlorine and dams
- b. Pollution and floods
- c. Dams and reservoirs
- d. Aquifers and dams

Q. 240 The cell wall is \_\_\_\_\_

- a. the storage space.
- b. the stiff outer layer of a plant.
- c. the cell energy processor.
- d. the parts of the plant cell that produce food.

Q. 241 Which system controls other organs?

- a. muscle
- b. nervous
- c. excretory
- d. digestive

Q. 242 Which of the following is a chemical change?

- a. frying eggs
- b. melting ice cream
- c. making a paper airplane
- d. wetting a towel

Q. 243 Which is an example of a physical change?

- a. a candle burning
- b. baking a cake
- c. evaporating water
- d. metal rusting

Q. 244 Platelets work to \_\_\_\_\_ .

- a. fight diseases
- b. stop bleeding
- c. carry oxygen
- d. carry carbon dioxide

Q. 245 The rock light in color and has coarse grains is called:

- a. Basalt
- b. Granite
- c. Fossil
- d. Coral

Q. 246 When earthquakes occurs, what do they produce?

- a. Lava
- b. Pressure waves
- c. Temperature change
- d. Seismic waves

Q. 247 Which organ system includes the brain and spinal cord?

- a. circulatory
- b. muscular
- c. digestive
- d. nervous

Q. 248 A testable possible answer to a scientific question is called a

- a. hypothesis
- b. conclusion
- c. evidence
- d. criteria

Q. 249 Which type of Biome averages is the least amount of yearly precipitation?

- a. Taiga
- b. Tundra
- c. Savanna
- d. Grassland

Q. 250 A carnivore is an animal that eats both plants and other animals.

- a. True
- b. False

Q. 251 Many animals have died after ingesting floating trash.

- a. True
- b. False

Q. 252 A landform with high elevation and a more or less level surface is called a \_\_\_\_\_ .

- a. Mountain
- b. Valley
- c. Plain
- d. Plateau

Q. 253 What helps an animal look like another animal to protect it from predators?

- a. niche
- b. migration
- c. camouflage
- d. mimicry

Q. 254 Which system of body works with breathing oxygen into the lungs?

- a. digestive system
- b. respiratory system
- c. nervous system
- d. excretory system

Q. 255 The main job of your lungs is to bring carbon dioxide into your body when you inhale and let out oxygen when you exhale.

- a. True
- b. False

Q. 256 Which animal is a vertebrate?

- a. Jellyfish
- b. Worm
- c. Cricket
- d. Turtle

Q. 257 The deeper inside the Earth, the less the pressure.

- a. True
- b. False

Q. 258 Which one of the following is a type of plant most likely to be found in the tundra biome?

- a. moss
- b. cactus
- c. bamboo
- d. tumbleweed

Q. 259 Areas with low pressure have weather that is \_\_\_\_\_ and areas of high pressure have weather that is \_\_\_\_\_ .

- a. sunny, cloudy
- b. cloudy, sunny

Q. 260 The \_\_\_\_\_ is the process by which gases in the atmosphere absorb and re-radiate heat.

- a. coriolis effect
- b. convection
- c. greenhouse effect
- d. jet stream

Q. 261 A cell is

- a. the storage space.
- b. a tiny part of a living thing.
- c. the cell energy processor.
- d. the stiff outer layer of a plant cell.

Q. 262 Salt water has \_\_\_\_\_ buoyancy than fresh water.

- a. less
- b. greater
- c. equal or same

Q. 263 Water molecules remain in somewhat definite positions with relatively little motion and vibrate back and forth to a limited extent would be characteristic of \_\_\_\_\_ .

- a. water
- b. steam
- c. ice
- d. plasma

Q. 264 Most of the food chains start with carnivores.

- a. True b. False

Q. 265 The shape of a land is called \_\_\_\_\_ .

- a. Mountainous b. Land mass  
c. Shapeography d. Topography

Q. 266 An animal that breathes through lungs, has scales on its skin, and has leathery eggs is a(n) \_\_\_\_\_ .

- a. reptile b. mammal  
c. arthropod

Q. 267 Matter that is a liquid tends to be more dense than matter that is

- a. gas b. solid  
c. liquid d. matter

Q. 268 A decision you make based on information is called \_\_\_\_\_ .

- a. conclusion b. hypothesis  
c. investigation d. evidence

Q. 269 The theory of plate movement and how the continents moved apart over time is called \_\_\_\_\_ .

- a. plate tectonics b. geology  
c. continental tectonics d. biology

Q. 270 \_\_\_\_\_ have skin covered with scales, fins to swim, and gills to breath.

- a. reptiles b. amphibians  
c. fish

Q. 271 The genus and species is always the scientific name of a living thing.

- a. True b. False

Q. 272 If the mass of a container of liquid ice cream is 200 grams, how many grams with the same container of ice cream be after the ice cream solidifies? (Without any being removed.)

- a. 80 b. 300  
c. 200 d. It's impossible to know.

- Q. 273 Bone, cartilage, ligaments and tendons are made up of
- a. epithelial tissue  
b. connective tissue  
c. muscular tissue  
d. nervous tissue
- Q. 274 Which of the following is a possible outcome when one or more of the components of an animal's habitat goes missing?
- a. It might die  
b. It might migrate to a new habitat  
c. It might adapt to the change  
d. All of the above
- Q. 275 Mass is not a measure of the force of gravity between Earth and an object.
- a. True  
b. False
- Q. 276 The Sun uses its \_\_\_\_\_ to shape the comet into a shimmering tail that can stretch out millions of kilometers.
- a. coma  
b. corona  
c. sun flares  
d. energy
- Q. 277 The glowing ball of gases and dust that form around a comet are called \_\_\_\_\_ .
- a. coma  
b. comment  
c. energy  
d. ball of gas
- Q. 278 What will happen when a hawk's habitat is destroyed?
- a. They will go underground.  
b. They will go somewhere else.  
c. They will ask for more trees.  
d. They will sleep in your house.
- Q. 279 The dark spots that appear on the surface of the Sun are called \_\_\_\_\_ .
- a. sunburn  
b. black dots  
c. flares  
d. sunspots
- Q. 280 The rock that evolves around the sun is called \_\_\_\_\_ .
- a. asteroid  
b. meteor  
c. meteorite  
d. meteoroid

Q. 281 The sun is made up of two very light gases. They are called \_\_\_\_\_ .

a. helium and hydrogen

b. helium and oxygen

c. helium and carbon

d. carbon and hydrogen

Q. 282 \_\_\_\_\_ is a dark, fine-grained rock.

a. Fossil

b. Granite

c. Coral

d. Basalt

Q. 283 Organisms do not need energy to stay alive.

a. True

b. False

Q. 284 In the process called \_\_\_\_\_ , a cell divides to form two identical cells.

a. cytoplasmic

b. cellitosis

c. mitosis

d. photosynthesis

Q. 285 What is static electricity?

a. electricity produced by friction

b. the energy of motion

c. the path along which electrons flows

d. all of above

Q. 286 Water cycles through the \_\_\_\_\_ and \_\_\_\_\_ parts of an ecosystem.

a. clouds - living

b. living - nonliving

c. food - garden

d. rain - sun

Q. 287 The tubes in a stem that move water and minerals from the roots to the leaves are called \_\_\_\_\_ .

a. stomata

b. pistil

c. xylem

d. cholorophyll

Q. 288 The part of the leaf that allows carbon dioxide, oxygen, and water to pass into and out of it is called the \_\_\_\_\_ .

a. stomata

b. xylem

c. photosynthesis

d. phloem

Q. 289 The three functions of a stem are \_\_\_\_\_ .

a. store food, support leaves so they stay in the sun, and carry water and food to other parts of the plant.

b. make food, hold plant up, support leaves so they stay in the sun, and carry water and food to other parts of the plant.

c. hold plant up, support leaves so they stay in the sun,

d. none of the above

Q. 290 Animals that feed milk to their young are considered as \_\_\_\_\_ .

a. mammals

b. reptiles

c. arthropods

Q. 291 Which organ pumps blood to all parts of the body?

a. Heart

b. Stomach

c. Lungs

d. Xylem

Q. 292 What material through which heat and electricity flow easily?

a. Insulator

b. Resistance

c. Short circuit

d. Conductor

Q. 293 Within kingdoms, there are species and chordata.

a. True

b. False

Q. 294 Volume is not a measure of the space matter takes up.

a. True

b. False

Q. 295 Observing means using your senses to gather information.

a. True

b. False

Q. 296 All activity in the cell is controlled by the \_\_\_\_\_ .

a. mitochondria

b. sunlight

c. nucleus

Q. 297 Cooling honey will make it flow faster.

- a. True b. False

Q. 298 Which is an example of a tissue?

- a. the heart b. a nucleus  
c. a muscle d. a vacuole

Q. 299 When a bird sits on the eggs. It is called \_\_\_\_\_ .

- a. breeding b. incubation  
c. brooding

Q. 300 Why might you want to INVESTIGATE something?

- a. to find the answer to a question b. to gather data that you can put in a table  
c. to see how many variables there are d. to decide which parts of an experiment to control

Q. 301 To eat means : \_\_\_\_\_ .

- a. multicellular b. ingest  
c. single-celled d. microscopic

Q. 302 Which body system includes arteries and veins?

- a. excretory system b. circulatory system  
c. respiratory system d. reproductive system

Q. 303 Snails, clams, and octopuses are examples of \_\_\_\_\_ .

- a. reptiles b. arthropods  
c. mollusks

Q. 304 A wooden stick floats on water because it is less dense than water.

- a. True b. False

Q. 305 Which of these is a gas produced by plants and animals during cellular respiration?

- a. indicator b. water environment  
c. optimum condition d. carbon dioxide

Q. 306 What kind of magnet is a permanent magnet?

- a. temporary magnet
- b. bar magnet
- c. electro magnet
- d. field magnet

Q. 307 What is the symbol for the element Sulfur?

- a. S
- b. Sr
- c. Su
- d. Sl

Q. 308 \_\_\_\_\_ have rough scaly skin.

- a. fish
- b. insects
- c. reptiles

Q. 309 What type of blood does the heart pumps through pulmonary arteries to the lungs?

- a. oxygen rich blood
- b. oxygen poor blood
- c. all of the above
- d. none of the above

Q. 310 Safety Goggles means a piece of equipment that protects your eyes.

- a. True
- b. False

Q. 311 If I put 20 ounces of water on the stove to boil, what would happen to its weight?

- a. It would increase
- b. It would stay the same
- c. It would decrease

Q. 312 An observation that does not involve measurements or numbers is called a \_\_\_\_\_ .

- a. quantitative observation
- b. qualitative observation
- c. quality observation
- d. qualitive observation

Q. 313 Which system that removes wastes from the body?

- a. muscular
- b. nervous
- c. excretory
- d. skeletal

Q. 314 Mostly ocean-floor animals are \_\_\_\_\_ .

- a. producers
- b. consumers
- c. decomposers
- d. scavengers

Q. 315 Which of the following life processes removes wastes?

- a. response
- b. reproduction
- c. excretion
- d. nutrition

Q. 316 Which is a major cause of natural population decline?

- a. hunting
- b. construction
- c. fires
- d. fishing

Q. 317 gametes contain \_\_\_\_\_, number of chromosomes as body cell

- a. same
- b. half
- c. double
- d. third

Q. 318 Condensation occurs when a liquid changes to a gas.

- a. True
- b. False

Q. 319 Everywhere in the universe an object's \_\_\_\_\_ is the same.

- a. friction
- b. weight
- c. mass
- d. gravity

Q. 320 Melted rock that is beneath Earth's surface is called \_\_\_\_\_.

- a. magma
- b. lava
- c. sediment
- d. sand

Q. 321 Which category of animal is cold-blooded?

- a. Bird
- b. Mammal
- c. Reptile
- d. Dolphins

Q. 322 A procedure carried out to gather data about an object or event is a/an \_\_\_\_\_.

- a. inquiry
- b. hypothesis
- c. investigation
- d. experiment

Q. 323 When plates collide into each other, this event causes \_\_\_\_\_ to form.

- a. earthquakes
- b. mountains
- c. continents
- d. hurricanes

Q. 324 Pluto is not a dwarf planet.

- a. True b. False

Q. 325 What will happen when a magnet is placed near a piece of iron?

- a. Nothing b. The piece of iron will be pushed away  
c. The piece of iron will be attracted to the magnet d. The piece of iron will go through a physical change

Q. 326 Which is the rate of change in speed or direction of movement?

- a. acceleration b. mass  
c. gravity d. friction

Q. 327 What type of food would this bird eat with this beak?

- a. grubs (bugs) b. buds/fruit  
c. seeds

Q. 328 Which is an example of a temporary magnet?

- a. magnetite b. electromagnet  
c. bar magnet d. horseshoe magnet

Q. 329 Any way that an animal interacts with its environment. Hunting is a \_\_\_\_\_ that helps dragonflies survive.

- a. variable b. climate  
c. hypothesis d. behavior

Q. 330 On average, Americans consume \_\_\_\_\_ standard two-ply napkins per year, the equivalent of more than six napkins per day.

- a. 2,200 b. 1,000  
c. 3,500

Q. 331 Cytoplasm is \_\_\_\_\_ .

- a. a jelly-like substance that fills plant and animal cells. b. a tiny part of a living thing.  
c. the cell energy processor. d. the storage space.

Q. 332 Any object or anything that takes up space and has mass is called

- a. stuff b. gas  
c. matter d. atoms

- Q. 333 When you observe the color of your bike, you are making a quantitative observation.
- a. True b. False
- Q. 334 Landscape Arch in Arches National Park had to be closed to visitors, hiking near the base. How could an arch become dangerous?
- a. Erosion made it possible for it to collapse. b. Ice could fall off of it, harming visitors.
- c. Snakes are attracted to some arches. d. The soil around the arch became polluted.
- Q. 335 The process of wearing away rocks by natural means is called \_\_\_\_\_ .
- a. erosion b. weathering
- c. faults d. earthquakes
- Q. 336 The nucleus is \_\_\_\_\_ .
- a. the part of a plant and animal cell that controls b. the stiff outer layer of a plant.
- c. the cell energy processor. d. the storage space.
- Q. 337 Erosion occurs when sediment is moved by wind, ice, or moving water.
- a. True b. False
- Q. 338 Which one of the following tools is used to measure length of a math book?
- a. scale b. meter stick
- c. beaker d. thermometer
- Q. 339 What kind of tissue, the lungs are made of?
- a. epithelial and musculat tissue b. connective and nervouse tissue
- c. epithelial and nervouse tissue d. epithelial and connective tissue
- Q. 340 Some powders are actually granules, is a matter of
- a. concentration b. starch
- c. saturation d. particle size

Q. 341 Which Biome/Ecosystem has four seasons?

- a. Taiga
- b. Desert
- c. Deciduous Forest
- d. Tropical Rainforest

Q. 342 Which is the rate of change in speed or direction of movement?

- a. acceleration
- b. mass

Q. 343 Information, collected during an investigation to support a hypothesis is called \_\_\_\_\_ .

- a. evidence
- b. criteria
- c. classification
- d. hypothesis

Q. 344 If you flash a flashlight through a colloid, you will be able to see the beam of light in the colloid as it passes through the colloid.

- a. True
- b. False

Q. 345 A shaking of earth's surface, caused by movement of rock in the crust is called a \_\_\_\_\_ .

- a. volcano
- b. earthquake
- c. sinkhole
- d. jetty

Q. 346 Deposition occurs when a gas becomes a solid without going through the liquid phase.

- a. True
- b. False

Q. 347 The smallest unit of an element is a(n) \_\_\_\_\_ .

- a. atom
- b. metal
- c. solution
- d. compound

Q. 348 What is another word for saliva?

- a. spit
- b. water

- Q. 349 The part of the plant that uses light energy from the sun to produce sugars and gives the plant its green color is called \_\_\_\_\_ .
- a. stomata  
b. glucose  
c. xylem  
d. chlorophyll
- Q. 350 100 litres of salt water will weigh more than 100 litres of fresh water.
- a. True  
b. False
- Q. 351 Oil floats on water because
- a. Oil is less dense than water  
b. Oil is more dense than water  
c. Oil and water has the same density  
d. The same volume of oil weighs more than that of water
- Q. 352 If you shine a light through a solution, you will see the light beam as it passes through the solution.
- a. True  
b. False
- Q. 353 A wooden stick is more \_\_\_\_\_ than a penny.
- a. buoyancy  
b. buoyant  
c. dense  
d. saturated
- Q. 354 The third step is to take waste materials like newspaper and glass and use them again. If we \_\_\_\_\_ them, they are collected and sent to plants that will turn them into new products. This will also reduce the size of landfills.
- a. remove  
b. reduce  
c. reuse  
d. recycle
- Q. 355 Which one of these characteristics relate to the inner planets?
- a. The inner planets have a higher density.  
b. The inner planets have many moons.
- Q. 356 Planets are classified as either inner planets or outer planets. What is found between the inner planets and the outer planets?
- a. asteroids  
b. moons  
c. comets

Q. 357 What happens to a bear when it hibernates?

- a. Its body temperature decreases.
- b. Its heart rate decreases.
- c. Its breathing rate slows down.
- d. all of the above

Q. 358 Which of the following is a behavioral adaptation?

- a. the strong wings of a hummingbird
- b. the way bees work together
- c. the green, slimy skin of a frog
- d. the long beak of a hummingbird

Q. 359 Coal, oil, and natural gas are \_\_\_\_\_. We will eventually run out of all of these.

- a. pollutants
- b. solar energy
- c. fossil fuels
- d. renewable

Q. 360 The part of an investigation that is being measured or controlled is called the \_\_\_\_\_ .

- a. dependent variable
- b. independent variable
- c. controlled variable
- d. uncontrolled variable

Q. 361 Which is an electric circuit with two or more paths for current?

- a. Parallel circuit
- b. Series circuit
- c. Short circuit
- d. Electric circuit

Q. 362 Which object best represents mechanical energy?

- a. a leaf on an oak tree
- b. the wheel on a moving tractor
- c. the batteries in a flashlight
- d. the water evaporating from a sidewalk

Q. 363 Electricity is the flow of

- a. electrons
- b. protons
- c. neutrons

Q. 364 The process of moving sediment by wind, moving water, or ice is called \_\_\_\_\_ .

- a. erosion
- b. weathering
- c. earthquakes
- d. faults

Q. 365 Which material slows the flow of heat and electricity?

- a. Insulator
- b. Conductor
- c. Short circuit
- d. Resistance

Q. 366 Which system helps to control other organs?

- a. skeletal
- b. nervous
- c. respiratory
- d. excretory

Q. 367 Which type of vascular tissue that carries water and nutrients from the roots to every part of the cell?

- a. angiosperm
- b. phloem
- c. xylem
- d. vascular tissue

Q. 368 A liquid with high/more viscosity will flow slower.

- a. True
- b. False

Q. 369 How can you make oil flow faster?

- a. Cool it by putting it in the fridge.
- b. Heat it up.
- c. Stir it a few times (but not too much).
- d. None of the above

Q. 370 The more viscous a liquid is the, \_\_\_\_\_ it is.

- a. thicker
- b. thinner
- c. tastier
- d. darker

Q. 371 A stiff bar that moves about a fixed point is called a \_\_\_\_\_ .

- a. fulcrum
- b. wedge
- c. wheel and axle
- d. inclined plane

Q. 372 The distance traveled by an object per unit time is called \_\_\_\_\_ .

- a. velocity.
- b. speed.
- c. momentum.
- d. acceleration.

Q. 373 What kind of a device that changes the direction or the amount of force needed to do work?

- a. acceleration
- b. friction
- c. machine

Q. 374 Which one of the five kingdoms does this describe: Multicellular & make their own food.

- a. Monera
- b. Protista
- c. Fungi
- d. Plantae

- Q. 375 One of the simplest kinds of animals is a(n) \_\_\_\_\_ .
- a. arthropod  
b. mammal  
c. sponge
- Q. 376 How much liquid can the bladder hold?
- a. 5 cups  
b. 16 ounces  
c. 2 pints  
d. 1 quart
- Q. 377 Which animal is an invertebrate?
- a. Bear  
b. Bird  
c. Worm  
d. Turtle
- Q. 378 Which body system includes the senses?
- a. respiratory system  
b. excretory system  
c. digestive system  
d. nervous system
- Q. 379 The process that provides energy for the cell is called \_\_\_\_\_ .
- a. Electricity  
b. Respiration  
c. Vacuole  
d. Nucleus
- Q. 380 Molten rock that flows from a volcano onto earth's surface is called \_\_\_\_\_ .
- a. lava  
b. magma  
c. sediment  
d. sand
- Q. 381 \_\_\_\_\_ energy is made from water heated by hot rocks deep inside Earth.
- a. solar  
b. biomass  
c. geothermal  
d. pollutant
- Q. 382 Energy resources that either cannot be replaced at all or cannot be replaced as fast as people use them are \_\_\_\_\_ resources.
- a. renewable  
b. nonrenewable  
c. inexhaustible  
d. geothermal
- Q. 383 \_\_\_\_\_ is a process in the water cycle, where water vapor rises into the atmosphere.
- a. Precipitation  
b. Transpiration  
c. Condensation  
d. Evaporation



Q. 392 Which organism is made up of many cells?

- a. multicellular
- b. ingest
- c. microscopic
- d. single-celled

Q. 393 What are reasons of population decline?

- a. hunting,unsupervised campfire,construction.
- b. bears,deer,fish
- c. Plants,trees,algae
- d. None of the above

Q. 394 What is a blanket of gases surrounding the Earth?

- a. Atmosphere
- b. Air pressure
- c. Land
- d. Water

Q. 395 Which tool that measures an object's mass?

- a. microscope
- b. graduated cylinder
- c. beaker
- d. balance

Q. 396 Ice is the form of water that has particles moving the

- a. slowest
- b. fastest
- c. water around

Q. 397 Resources that can be replaced such as trees, plants, and biomass.Are described as \_\_\_\_\_ .

- a. renewable
- b. nonrenewable
- c. inexhaustible
- d. geothermal

Q. 398 Velocity is a measure of speed that takes into account \_\_\_\_\_ .

- a. the weight of an object
- b. the direction of movement
- c. the force of the movement
- d. the acceleration of an object

Q. 399 The Sun is not the biggest planet in our solar system.

- a. True
- b. False

Q. 400 The inner planet farthest from Sun is called \_\_\_\_\_ .

- a. Mercury
- b. Venus
- c. Earth
- d. Mars

- Q. 401 Animals that hunt other animals to eat are called \_\_\_\_\_ .
- a. prey  
c. predators
- b. omnivores  
d. herbivores
- Q. 402 \_\_\_\_\_ has one pulley and part of the load is carried by the pulley making the work easier.
- a. Two Pullies Together (block and tackle)  
c. Single Moveable Pulley
- b. Single Fixed Pulley
- Q. 403 High heat and pressure can change igneous, sedimentary and metamorphic rocks into \_\_\_\_\_ .
- a. igneous  
c. metamorphic
- b. minerals  
d. sedimentary
- Q. 404 Where do plant cells store food, water and wastes?
- a. nucleus  
c. vacuole
- b. chloroplast  
d. cell membrane
- Q. 405 Chloroplasts are defined as \_\_\_\_\_ .
- a. a tiny part of a living thing.  
c. the cell energy processor.
- b. the stiff outer layer of a plant.  
d. the parts of the plant cell that produce food.
- Q. 406 How long did it take to put together the Curiosity Mission?
- a. 1-2 Years  
c. 9-10 Years
- b. 3-5 Years  
d. 20-25 Years
- Q. 407 Which one of the following are true when you take an object to the moon.
- a. The object will have more mass.  
c. The object will weigh less.
- b. The object will have less mass.  
d. The object will weigh more.
- Q. 408 If an object sinks in a liquid, the force of gravity is LESS than the force of buoyancy pushing up on the object.
- a. True  
b. False
- Q. 409 All plants produce their own food.
- a. True  
b. False

- Q. 410 When Mendel bred tall pea plants with short pea plants, offspring of first generation were
- a. all were short.
  - b. all were tall.
  - c. three fourths were tall.
  - d. one fourth were tall.
- Q. 411 Adding heat to syrup does not make the syrup more viscous.
- a. True
  - b. False
- Q. 412 Honey is more viscous than maple syrup. Therefore the honey will flow \_\_\_\_\_ the maple syrup.
- a. faster than
  - b. slower than
  - c. as fast as
  - d. None of the above
- Q. 413 Which trait appears even if an organism has only one factor for the trait?
- a. Recessive trait
  - b. Dominant trait
  - c. Inherited trait
- Q. 414 A mountain is not a landform made up of nearly flat or gently rolling land with low relief.
- a. True
  - b. False
- Q. 415 Similar cells that have the same function come together to make a?
- a. organ system
  - b. organ
  - c. tissue
  - d. organism
- Q. 416 A \_\_\_\_\_ reaction is where elements come together to form a new compound.
- a. decomposition
  - b. combination
  - c. reaction
  - d. replacement
- Q. 417 The \_\_\_\_\_ is beneath the asthenosphere, and is hot, but rigid.
- a. Megasphere
  - b. Lithosphere
  - c. Mesosphere
  - d. Stratosphere
- Q. 418 What changes earth surface?
- a. volcanoes
  - b. weathering
  - c. erosion
  - d. all of the above

- Q. 419 The molecules in a liquid are
- a. closer together than in a solid and further apart in a gas
  - b. are spaced the same as in solids and gases
  - c. closer than in gases but further apart in solids
  - d. none of the above
- Q. 420 The \_\_\_\_\_ is the layer of the atmosphere is closest to the Earth.
- a. Mesosphere
  - b. Troposphere
  - c. Thermosphere
  - d. Exosphere
- Q. 421 When plates slide past each other, this may cause an \_\_\_\_\_ to occur.
- a. tornado
  - b. mountain
  - c. volcano
  - d. earthquake
- Q. 422 Simple vascular plants can not reproduce by spores
- a. True
  - b. False
- Q. 423 One of the ending materials in a chemical reaction is called a \_\_\_\_\_ .
- a. recipe
  - b. reactant
  - c. product
  - d. atom
- Q. 424 Electric charges can be positive or negative.
- a. True
  - b. False
- Q. 425 Water on Earth is never lost. Water changes from a liquid to a gas during \_\_\_\_\_ .
- a. Evaporation
  - b. Precipitation
  - c. Condensation
  - d. Temperature
- Q. 426 The Sun warms the surface of Earth and the air above it. Sunlight strikes Earth most directly \_\_\_\_\_ .
- a. At the equator
  - b. At the core
  - c. In curved paths
  - d. In the morning
- Q. 427 The Sun is a \_\_\_\_\_ -sized star.
- a. Large
  - b. Small
  - c. Medium
  - d. Tiny

- Q. 428 Over millions of years, the \_\_\_\_\_ of salt in the ocean has increased to about 3.5 percent. Water with this amount of salt is called salt water.
- a. Natural resources  
b. Salt  
c. Concentration  
d. Evaporation
- Q. 429 Which of the following is an example of increasing friction intentionally?
- a. waxing skis  
b. adding grease to gears on a bike  
c. throwing sand on an icy driveway
- Q. 430 This habitat includes open ocean, seashore, and it covers 75% of the planet. There is a very high salinity level, and a wide variety of animals.
- a. Marine  
b. Taiga  
c. Tundra  
d. Pond
- Q. 431 Endangered species can be caused by \_\_\_\_\_ of the following.
- a. hunting  
b. destruction of habitat  
c. both a and b
- Q. 432 \_\_\_\_\_ is to arrange in a specific order or group by categories based on similarities.
- a. Infer  
b. classify  
c. extinction  
d. habit
- Q. 433 Which of the following is not an example of a population?
- a. all the rabbits in a forest  
b. all the squirrels in the park  
c. all of the minnows in a pond  
d. all of the fish in the ocean
- Q. 434 What makes something a threatened species?
- a. hunting  
b. destruction of habitat  
c. both a and b
- Q. 435 The science of heredity is known as \_\_\_\_\_ .
- a. physics  
b. genetics  
c. enyzmes  
d. traits





Q. 453 The niche is not the role of a population in its habitat.

- a. True b. False

Q. 454 Which is the measure of the force with which air molecules push on a surface is called?

- a. conduction b. convection  
c. air pressure d. radiation

Q. 455 The process of changing from a liquid state to a gas state. It is called \_\_\_\_\_ .

- a. sublimation b. condensation  
c. evaporation

Q. 456 \_\_\_\_\_ is the study of living things.

- a. Science b. Chemistry  
c. Physics d. Biology

Q. 457 What is NOT a reason for population decline?

- a. Floods b. Exotic organisms  
c. construction d. grasshoppers

Q. 458 Which activity is not an example of chemical energy?

- a. food entering a stomach b. sunlight coming to earth  
c. burning a piece of wood d. turning on a battery-powered toy

Q. 459 Desert temperatures do not vary very much between day and night.

- a. True b. False

Q. 460 Cone cells \_\_\_\_\_ .

- a. help us see in the dark b. Cause near sightedness  
c. cause us to see in color d. cause farsightedness

Q. 461 Which of the following is a gas we breathe?

- a. gold b. iron  
c. oxygen d. silver







- Q. 486 In what layer, space shuttles and satellites found?
- a. Mesosphere  
b. Thermosphere  
c. Stratosphere  
d. Troposphere
- Q. 487 The reason that the sky appears blue is that the color being reflected is \_\_\_\_\_.
- a. red  
b. white  
c. gray  
d. blue
- Q. 488 Which of the following is a unicellular organism?
- a. a human  
b. a plant  
c. a diatom  
d. an animal
- Q. 489 What does the hypodermis keep your skin from doing?
- a. dehydrating your body  
b. keeps your skin from sliding around your body  
c. keeps your skin from sticking together
- Q. 490 All over your body you have a couple hair follicles.
- a. True  
b. False
- Q. 491 What does it mean when we say the some trees are 'deciduous?'
- a. The trees have thick bark.  
b. The trees grow between 85-125 feet tall.  
c. The trees lose their leaves in the fall.  
d. The trees produce fruit.
- Q. 492 Is burning a chemical change or physical change?
- a. chemical change  
b. physical change
- Q. 493 The deciduous forest is named because the trees are deciduous. What does the word 'deciduous' mean?
- a. The trees have thick bark.  
b. The trees produce fruit.  
c. The trees lose their leaves in the fall.  
d. The trees have pine needles on them.
- Q. 494 For every action, the reaction is \_\_\_\_\_.
- a. equal and in the same direction.  
b. equal and opposite.  
c. unequal and opposite.  
d. unequal and in the same direction.



Q. 504 A magnet is defined as:

- a. a wooden figure b. an object that attracts, or pulls on certain materials
- c. a magnetic force

Q. 505 Organisms living in coral reefs must have warm, shallow water to survive. If the sea level rises, this could harm the organisms.

- a. True b. False

Q. 506 Small cell fragments that aid in blood clotting are called platelets.

- a. True b. False

Q. 507 People with the blood type "O" can receive any other blood type during a blood transfusion.

- a. True b. False

Q. 508 A Viceroy butterfly looks like the Monarch butterfly. The Viceroy tastes terrible to birds, so birds won't take the chance and eat the Viceroy. What is this kind of adaptation?

- a. mimicry b. camouflage
- c. hibernation d. migration

Q. 509 Plants produce \_\_\_\_\_ .

- a. soil b. water
- c. food d. minerals

Q. 510 The base pairs on a strand of DNA go together in very specific ways. What are they?

- a. A with C ; T with G b. T with G ; A with C
- c. A with T; C with G

Q. 511 A pencil is a \_\_\_\_\_ .

- a. solid b. liquid
- c. gas d. both liquid and solid

- Q. 512 A second important step is to use things we have in different ways. If we \_\_\_\_\_ materials such as plastic and glass containers they will not fill up the landfills so quickly. Another way to reduce the amount of garbage is to repair broken things rat
- a. remove  
c. reuse
- b. reduce  
d. recycle
- Q. 513 An individual living thing is a(n) \_\_\_\_\_ .
- a. vertebrate  
c. organism
- b. cell
- Q. 514 \_\_\_\_\_ has six legs, antennae, and a hard, outer shell?
- a. insects  
c. mammals
- b. fish
- Q. 515 The stem works like an elevator.
- a. True  
b. False
- Q. 516 Which of the following is not a type of tundra?
- a. Arctic Tundra  
c. Austrian Tundra
- b. Alpine Tundra  
d. Antarctic Tundra
- Q. 517 Gravitational force between two objects depends on the
- a. masses of the objects and the distance between  
c. distance between the objects only.
- b. mass of each object only.  
d. inertia and masses of the objects.
- Q. 518 Bears can hibernate for up to \_\_\_\_\_ of the year.
- a. 30 days  
c. 7 months
- b. 3 months  
d. 9 months
- Q. 519 What does a bear do to prepare for hibernation?
- a. eat extra food  
c. take a lot of naps
- b. dig a deep hole  
d. all of the above

Q. 520 Which of the following is a conversion from chemical energy to thermal energy?

- a. Coal is burned to boil water.
- b. Food is digested and used to regulate body temperature.
- c. Charcoal is burned in a barbeque pit.
- d. All of the above.

Q. 521 The first quarter moon comes after the waxing crescent moon.

- a. True
- b. False

Q. 522 What is the third step of the water cycle?

- a. evaporation
- b. precipitation
- c. run off
- d. condensation

Q. 523 A dog that goes to the door when its owner picks up the leash is demonstrating a(n) \_\_\_\_\_ .

- a. inherited behavior
- b. learned behavior
- c. inherited trait

Q. 524 A bird's nest-building behavior is an example of a(n) \_\_\_\_\_ .

- a. learned behavior
- b. protective coloration
- c. inherited behavior

Q. 525 An example of rolling friction is known as \_\_\_\_\_ .

- a. a stack of cartons being pushed across a floor.
- b. the use of ball bearings.
- c. the fall of a feather through the air.
- d. sand placed on an icy sidewalk.

Q. 526 Where is water vapor found?

- a. in the air around you
- b. in your breath
- c. hot steam from a kettle
- d. all of the above

Q. 527 Surface landforms of an area are called topography.

- a. True
- b. False

Q. 528 Fresh water is more dense than salt water.

- a. True
- b. False



