

Name: _____

| Question | Monday (3.18.2019) | Tuesday (3.19.2019) | Wednesday (3.20.2019) | Thursday (3.21.2019) |
|----------|---|--|---|--|
| 1 | <p>Which is an example of increased friction?</p> <p>a. Hot air blown into a balloon causes the balloon to go upward.</p> <p>b. Oil in a car's engine helps parts move against each other easily.</p> <p>c. Wind pushing against the tail of an airplane helps it to fly faster.</p> <p>d. Rubber on the bottom of shoes keeps a person from falling on slippery ground.</p> | <p>Which best explains what type of weather the Gulf Stream usually brings to North Carolina?</p> <p>a. increased wind speed</p> <p>b. increased air pressure</p> <p>c. increased temperature</p> <p>d. increased evaporation</p> | <p>Which part of the water cycle is occurring when warm, moist air cools, loses heat energy, and begins forming clouds?</p> <p>a. condensation</p> <p>b. evaporation</p> <p>c. precipitation</p> <p>d. transpiration</p> | <p>Which best explains why there are gaps between the concrete sidewalks?</p> <p>a. When temperatures get cold, the gaps allow the concrete to expand without cracking.</p> <p>b. When temperatures get hot, the gaps allow the concrete to expand without cracking.</p> <p>c. When temperatures get cold, the gaps allow the concrete to contract without cracking.</p> <p>d. When temperatures get hot, the gaps allow the concrete to contract without cracking.</p> |
| 2 | <p>Which of the following is an example of radiation?</p> <p>a. Macaroni moving around in a pot of boiling water.</p> <p>b. Steam rising from a boiling pot of grits being cooked.</p> <p>c. The sun shining through a window and warming a table.</p> <p>d. Burning yourself after touching a hot plate.</p> | <p>A chef is boiling 200 g of salt water in an <u>open</u> pot on the stove. Which is a possible weight of the contents of the pot after 10 minutes of boiling?</p> <p>a. 150 g because some water evaporates into the air surrounding the pot and decreases the total mass.</p> <p>b. 100 g because the salt dissolves in the hot water and has no mass.</p> <p>c. 200 g because none of the salt or water is lost during the interaction and mass is conserved.</p> <p>d. 250 g because some of the water evaporates into the air surrounding the pot, but the salt becomes a solid and adds mass.</p> | <p>Which are characteristics of a high pressure area?</p> <p>a. cool, dry air</p> <p>b. warm, dry air</p> <p>c. cool, moist air</p> <p>d. warm, moist air</p> | <p>A glass of water is placed outside during a hot day. After a few hours, someone notices that there is less water in the glass. Which best explains why this happened?</p> <p>a. water melted; gas formed</p> <p>b. water melted; solid formed</p> <p>c. water evaporated; gas formed</p> <p>d. water evaporated; liquid formed</p> |

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| <p>3</p> | <p>Which is a <i>difference</i> between the plant life of a rainforest and a deciduous forest?</p> <p>a. The deciduous forest has a warm climate year-round, while the rainforest has hot and cold extreme climates.</p> <p>b. The deciduous forest has the most diverse plant life of all ecosystems, while the rainforest plant life is scarce.</p> <p>c. The deciduous forest remains hot and wet year-round, while the rainforest has a yearly cycle of plant growth due to changes of seasons.</p> <p>d. The deciduous forest has yearly cycles of plant growth due to changes of seasons, while the rainforest remains hot and wet year-round.</p> | <p>Which describes a <u>consumer</u> in a pond ecosystem?</p> <p>a. catfish</p> <p>b. cattail</p> <p>c. lily pad</p> <p>d. water lily</p> | <p>Which <i>best</i> explains why many kinds of plants and animals can live together in an ecosystem?</p> <p>a. The plants and animals all care for each other and protect one another.</p> <p>b. The plants and animals are all part of a food chain and depend on each other to live.</p> <p>c. The plants and animals are independent of one another, so they can live together.</p> <p>d. The plants and animals all feed on the same things, so they compete with each other for food.</p> | <p>Which will <i>most likely</i> result if large areas of trees in a forest are removed to build neighborhoods?</p> <p>a. There would be an increase in the loss of habitats.</p> <p>b. There would be an increase in the number of predators.</p> <p>c. There would be an increase in food resources for animals.</p> <p>d. There would be an increase in the number species of plants.</p> |
| <p>Number Correct (Out of 3)</p> | <p>_____/3</p> | <p>_____/3</p> | <p>_____/3</p> | <p>_____/3</p> |