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| Question | Monday (1.14.2019) | Tuesday (1.15.2019) | Wednesday (1.16.2019) | Thursday (1.17.2019) |
| 1 | A cook observes a pot of boiling water and describes the process. The cook notes that as the water at the bottom heats up, it rises. The cool water at the top falls, and the cycle continues. Which **best** describes the process the cook is observing?  a. conduction  b. convection  c. radiation  d. transpiration | A student gets a bottle of water from the cooler in the cafeteria. There is a thin film of moisture on the surface of the bottle of water. Which **best** describes the source of the moisture?  a. Water from the air condensed on the bottle.  b. Water from the bottle evaporated into the air.  c. Melted ice from the cooler forms on the bottle.  d. Ice from the cooler becomes frozen on the bottle. | A bicyclist went on two bike rides.   * On the first ride, they biked 20 kilometers. * On the second ride, they biked 30 kilometers.   Which **best** describes the motion of the bicyclist?  a. They biked faster on the first ride.  b. The biked faster on the second ride.  c. They biked at the same average speed on both rides.  d. They biked uphill during the first ride and downhill during the second ride. | Which example ***best*** describes a physical change?  a. iron rusting  b. wood burning  c. gas bubbles forming  d. butter melting |
| 2 | Which cloud type is the *****most likely***** to produce hail?  a. cirrus  b. cirrocumulus  c. cumulonimbus  d. stratocumulus | Which **best** describes the effect of heavy cloud cover on temperatures at night?  a. Temperatures will be cooler than expected.  b. Temperatures will be warmer than expected.  c. Temperature will change frequently throughout the night.  d. There will be no change in temperature throughout the night. | Which is generally considered to be **least** important in determining the local weather conditions of an area?  a. landforms  b. precipitation  c. temperature  d. wind speed | The local weather station is predicting that a warm front will pass through Charlotte, NC in two days. How will Charlotte’s weather **most likely** be affected by the passing of a warm front?  a. The wind speed will remain the same.  b. The air pressure will increase.  c. The temperature will increase.  d. The temperature will decrease. |
| 3 | The forecast said a high pressure system will arrive this weekend. A group of friends want to go camping. Should they plan to go?  a. Yes, the high pressure system will create clear, sunny skies.  b. No, the high pressure system will create storm clouds and tornadoes.  c. Yes, the high pressure system will create skies filled with stratus clouds.  d. No, the high pressure system will increase humidity and cause rain clouds to form. | When a low pressure system moves into North Carolina, which kind of weather will **most likely** occur?  a. cold and dry  b. fair and sunny  c. clear and humid  d. rainy and windy | Which statement **best** explains how wind is formed?  a. Air is warmed by radiation and air flow increases as a result of the warming  b. Pressure decreases as a result of frictional contact with earth causing air to flow more freely  c. Unequal heating of the land causes air to flow from areas of higher pressure to areas of lower pressure  d. Differences in cloud cover causes air to move from west to east. | A meteorologist predicts that a cold front and a high pressure system will arrive later in the day. Which type of cloud will *****most likely***** appear as the cold front moves through the area?  a. cumulonimbus  b. cumulus  c. fog  d. stratus |
| Number Correct  (Out of 3) | \_\_\_\_\_\_\_\_\_/3 | \_\_\_\_\_\_\_\_\_/3 | \_\_\_\_\_\_\_\_\_/3 | \_\_\_\_\_\_\_\_\_/3 |