

Name: \_\_\_\_\_

Question	Monday (12.10.2018)	Tuesday (12.11.2018)	Wednesday (12.12.2018)	Thursday (12.13.2018)
1	<p>Which <b>best</b> explains why most clouds form high in the atmosphere instead of close to the ground?</p> <p>a. Heat from the sun increases run-off.</p> <p>b. Heat from the sun decreases condensation.</p> <p>c. Heat from the sun causes air pressure to fall.</p> <p>d. Heat from the sun causes water vapor to rise, cool, and condense in the upper atmosphere.</p>	<p>An open container is filled with 100 g of lemonade and ice cubes. Which <b>best</b> describes the weight of the contents after the glass sits in the sun for two hours?</p> <p>a. The weight will be less than 100 g because some of the liquid will evaporate into the atmosphere.</p> <p>b. The weight would be much less than 100 g because mass is lost as the ice cubes melt.</p> <p>c. The weight will be 100 g because the weight of the tea and the ice cubes will remain the same since no change occurs.</p> <p>d. The weight will be more than 100 g because mass is increased as the ice cubes melt and more liquid is added to the glass.</p>	<p>Which <b>best</b> explains why burning leaves is a chemical change?</p> <p>a. The leaves emit light during the change.</p> <p>b. The temperature of the leaves increases.</p> <p>c. The shape of the leaves changes.</p> <p>d. The leaves turn to ashes.</p>	<p>Which is an example of trying to <b>increase</b> friction?</p> <p>a. spreading sand onto an icy road.</p> <p>b. reducing the weight of an object.</p> <p>c. pouring oil into the engine of a car.</p> <p>d. waxing the underside of a surfboard.</p>
2	<p>The city of Charlotte wants to lower heat by paving the sidewalks. Which pavement is <b>most likely</b> a good choice?</p> <p>a. black pavement because it absorbs heat.</p> <p>b. black pavement because it reflects heat.</p> <p>c. white pavement because it absorbs heat.</p> <p>d. white pavement because it reflects heat.</p>	<p>Which <b>best</b> describes a material that could be used to insulate a house?</p> <p>a. excellent conductor of heat</p> <p>b. excellent conductor of cold</p> <p>c. poor conductor of heat</p> <p>d. poor conductor of cold</p>	<p>Which statement <b>best</b> describes how winter weather can damage roads?</p> <p>a. Snow and ice can cause car accidents, which damage roads.</p> <p>b. Rain, ice, and snow can cause the painted lines on roads to fade.</p> <p>c. Cold temperatures can cause road materials to expand, creating potholes.</p> <p>d. Water can get into cracks in roads, then freeze and expand, making the cracks worse.</p>	<p>A student was having trouble opening a new glass jar of pickles. The student remembered their teacher saying to hold the metal lid of the jar under running hot water for a few seconds. The lid opened easily as a result. What is the <b>most likely</b> reason the student's teacher suggested using hot water to loosen the lid?</p> <p>a. Glass contracts when it is heated.</p> <p>b. Metal expands when it is heated.</p> <p>c. Metals are easier to grip when they are warm.</p> <p>d. Hot water reduces friction between metal and glass.</p>

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3	<p>A scientist is boiling water in a metal pot for a weather experiment. What is <b>most likely</b> the reason the scientist would need to use a potholder for moving the metal pot?</p> <p>a. Radiation causes the pot to be hot when you touch it.</p> <p>b. Conduction causes the pot to be hot when you touch it.</p> <p>c. Convection causes the pot to be hot when you touch it.</p> <p>d. Transpiration causes the pot to be hot when you touch it.</p>	<p>Rays from the sun are shining down on a house. What effect does the sun have on the temperature of the house?</p> <p>a. The temperature of the house increases because heat radiates from the sun.</p> <p>b. The temperature of the house increases because heat is conducted by the sun.</p> <p>c. The temperature of the house decreases because heat is convected by the sun.</p> <p>d. The temperature of the house decreases because the sun absorbs heat from the house.</p>	<p>A camper notices hot sparks rising from a campfire. The camper knows the sparks are hot, because they are red. Which <b>best</b> explains the hot sparks rising?</p> <p>a. The sparks are rising due to radiated heat.</p> <p>b. The sparks are rising due to heat being conducted.</p> <p>c. The sparks are rising, and heat rises, proving this is convection.</p> <p>d. The sparks are rising to replace warm air, so the sparks are convecting heat.</p>	<p>On very hot days, animals will often find a patch of dirt on the ground to lay in to keep cool. Which <b>best</b> explains how laying on the ground and dirt keeps the animal cool?</p> <p>a. Heat from the cooler ground is radiated into the animal's body, making the animal feel cooler.</p> <p>b. Heat from the cooler ground is conducted into the animal's body, making the animal feel cooler.</p> <p>c. Heat from the animal's body is convected into the cooler ground, making the animal feel cooler.</p> <p>d. Heat from the animal's body is conducted into the cooler ground, making the animal feel cooler.</p>
Number Correct (Out of 3)	_____/3	_____/3	_____/3	_____/3