

Name: _____

Question	Monday (11.12.2018)	Tuesday (11.13.2018)	Wednesday (11.14.2018)	Thursday (11.15.2018)
1	<p>Which would most likely result in change in the state of matter?</p> <p>a. baking a cake</p> <p>b. boiling water</p> <p>c. lighting a match</p> <p>d. rusting bike chain</p>	<p>Which causes water to soak the ground?</p> <p>a. high levels of condensation</p> <p>b. high levels of evaporation</p> <p>c. high levels of precipitation</p> <p>d. high levels of transpiration</p>	<p>A cafeteria worker placed 5 pounds of ice in a 1-pound bucket with a lid. The next day, she noticed all the ice melted. If she weighs the bucket with the melted ice, what will it most likely weigh?</p> <p>a. 4 pounds</p> <p>b. 5 pounds</p> <p>c. 6 pounds</p> <p>d. 7 pounds</p>	<p>Which best describes how a driver can increase the speed of a racecar?</p> <p>a. by decreasing the mass of the racecar</p> <p>b. by increasing the mass of the racecar</p> <p>c. by increasing the force of friction on the racecar</p> <p>d. by painting the racecar a different color</p>
2	<p>A scientist put water in two flat, uncovered pans. She placed one pan in a sunny spot and put the other pan in a shady spot. She left the pans for 12 hours, then returned and measured the water in both pans. What most likely happened to the water in the pans?</p> <p>a. More water evaporated from the pan exposed to sunshine.</p> <p>b. More water evaporated from the pan left in the shade.</p> <p>c. The same amount of water evaporated from both pans.</p> <p>d. No water evaporated from either pan.</p>	<p>What best explains the changes that occur when an ice cube is heated to a temperature above 100°C?</p> <p>a. A physical change occurs, because the ice cube will change from a solid to a liquid to a gas.</p> <p>b. A chemical change occurs, because the ice cube will change from a solid to a liquid to a gas.</p> <p>c. A physical change occurs, because the ice cube will change from a solid to a liquid then back to a solid.</p> <p>d. A chemical change occurs, because the ice cube will change from a solid to a liquid then back to a solid.</p>	<p>A car traveled 60 miles in one hour on Thursday and 240 miles in four hours on Friday. Which best describes the average speed of the car?</p> <p>a. The car drove slower on Friday.</p> <p>b. The car drove slower on Thursday.</p> <p>c. The car drove the same speed on both days.</p> <p>d. The car drove in a different direction on Friday.</p>	<p>A chef is boiling 200 g of salt water in an open pot on the stove. Which is most likely the mass of the contents of the pot after 10 minutes of boiling?</p> <p>a. 100 g because the salt dissolves in the hot water and has no mass.</p> <p>b. 150 g because some water evaporates into the air surrounding the pot and decreases the total 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>

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<p>3</p>	<p>A teacher wanted to observe the interaction between his favorite soda and some candy. The teacher poured 20 ounces of soda and 2 ounces of candy in a closed container weighing 5 ounces. What would most likely be the weight of the mixture and container after the candy has completely dissolved?</p> <p>a. 5 oz</p> <p>b. 20 oz</p> <p>c. 25 oz</p> <p>d. 27 oz</p>	<p>Four solid balls, each with a different mass, are moving at the same speed. Which ball would require the most force to stop its motion?</p> <p>a. ball with a mass of 5 kg</p> <p>b. ball with a mass of 10 kg</p> <p>c. ball with a mass of 15 kg</p> <p>d. ball with a mass of 20 kg</p>	<p>Which best explains what happens to the inside of an egg when it is boiled?</p> <p>a. A physical change occurs, because the liquid becomes a solid.</p> <p>b. A physical change occurs, because the solid becomes a liquid.</p> <p>c. A chemical change occurs, because the liquid becomes a solid.</p> <p>d. A chemical change occurs, because the solid becomes a liquid.</p>	<p>A student makes a model of the water cycle by putting water in a cup, and placing plastic wrap on the top of the cup. The student then places the cup by a sunny window. Which best explains why the student placed the model near a sunny window?</p> <p>a. The thermal energy from the sun will start the process of evaporation in the model</p> <p>b. The light energy from the sun will start the process of evaporation in the model</p> <p>c. The mechanical energy from the sun will start the process of evaporation in the model</p> <p>d. The electrical energy from the sun will start the process of evaporation in the model</p>
<p>Number Correct (Out of 3)</p>	<p>_____/3</p>	<p>_____/3</p>	<p>_____/3</p>	<p>_____/3</p>