Name: _____Pd: _____

HEAT FLOW SCIENCE STARTERS

10/23-10/27/2023

ALL UNIT SCIENCE STARTERS MUST BE TURNED IN BY THE UNIT TEST TO RECEIVE CREDIT

Points:	Question:	Answer:
Monday ___/2	David drinks a glass of water in his kitchen. The water is at room temperature, and David decides to make it colder by adding ice. Which of the following describes why the ice cubes will melt? A. Liquid water is reacting with solid water to absorb energy. B. Water is evaporating from the surface of the water. C. Slow-moving molecules move out of the ice. D. Heat from the water moves into the ice.	
Tuesday ___/2	Jesse is walking on the sand at the beach one summer day. If heat is not flowing between her feet and the sand, which of the following must be true? A. The sand is wet. B. The sand is too cold for heat to flow. C. The sand is the same temperature as her feet. D. There is no friction between her feet and the sand.	
Wednesday ___/2	Anna pours herself some room-temperature soda from a bottle and adds four ice cubes. In a few minutes the ice cubes are smaller and the soda is much colder. Which of the following best explains the change in temperature of the soda? A. Heat flowed from the soda to the ice cube and caused it to partially melt. B. Coldness flowed from the ice cube to the soda, making the soda colder. C. The cold water from the melting ice went into the soda, replacing the warmer water that was in the soda. D. The water from the melting ice makes the soda more dilute, and the lower concentration makes the temperature lower.	

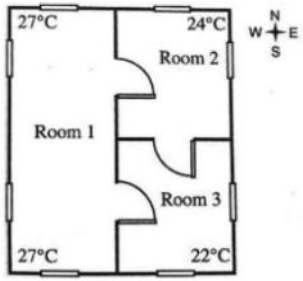
Name: _____Pd: _____

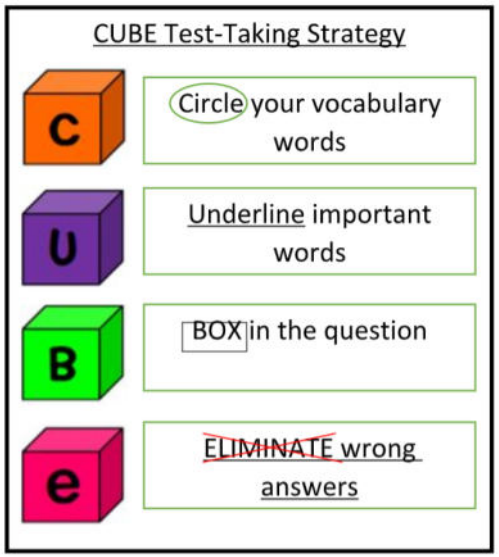
HEAT FLOW SCIENCE STARTERS

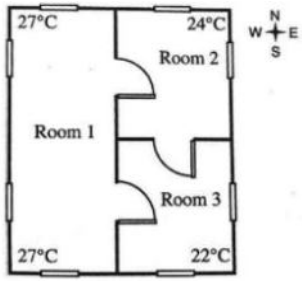
10/23-10/27/2023

ALL UNIT SCIENCE STARTERS MUST BE TURNED IN BY THE UNIT TEST TO RECEIVE CREDIT

Points:	Question:	Answer:
Monday ___/2	David drinks a glass of water in his kitchen. The water is at room temperature, and David decides to make it colder by adding ice. Which of the following describes why the ice cubes will melt? A. Liquid water is reacting with solid water to absorb energy. B. Water is evaporating from the surface of the water. C. Slow-moving molecules move out of the ice. D. Heat from the water moves into the ice.	
Tuesday ___/2	Jesse is walking on the sand at the beach one summer day. If heat is not flowing between her feet and the sand, which of the following must be true? A. The sand is wet. B. The sand is too cold for heat to flow. C. The sand is the same temperature as her feet. D. There is no friction between her feet and the sand.	

Wednesday ___/2	Anna pours herself some room-temperature soda from a bottle and adds four ice cubes. In a few minutes the ice cubes are smaller and the soda is much colder. Which of the following best explains the change in temperature of the soda? A. Heat flowed from the soda to the ice cube and caused it to partially melt. B. Coldness flowed from the ice cube to the soda, making the soda colder. C. The cold water from the melting ice went into the soda, replacing the warmer water that was in the soda. D. The water from the melting ice makes the soda more dilute, and the lower concentration makes the temperature lower.
Thursday ___/2	Jeffery brings a book from air-conditioned apartment to a balcony on a hot summer day. How will the cool book interact with the outside air? A. Heat from the book will move to the air. B. Heat from the air will move to the book. C. Coolness from the book will move to the air. D. Coolness from the air will move to the book.
Friday ___/2	The diagram below shows a simplified floor plan for a small house. As the day goes on and the Sun begins to set, the rooms on the west side of the house grow warmer than the rooms on the east side, as shown by the temperatures in each room. 
	The doors between the rooms are open. Which of the following most likely describes the direction of heat flow through the house and the effect of that heat flow on temperature? A. From Room 3 to Room 1 and Room 2 until all the rooms are about 25°C B. From Room 2 to Room 2 to Room 3 until all the rooms are about 27°C C. From Room 1 to Rooms 2 and 3 until all rooms are about 27°C D. From Room 1 to Rooms 2 and 3 until all rooms are about 25°C



Thursday ___/2	Jeffery brings a book from air-conditioned apartment to a balcony on a hot summer day. How will the cool book interact with the outside air? A. Heat from the book will move to the air. B. Heat from the air will move to the book. C. Coolness from the book will move to the air. D. Coolness from the air will move to the book.
Friday ___/2	The diagram below shows a simplified floor plan for a small house. As the day goes on and the Sun begins to set, the rooms on the west side of the house grow warmer than the rooms on the east side, as shown by the temperatures in each room. 
	The doors between the rooms are open. Which of the following most likely describes the direction of heat flow through the house and the effect of that heat flow on temperature? A. From Room 3 to Room 1 and Room 2 until all the rooms are about 25°C B. From Room 2 to Room 2 to Room 3 until all the rooms are about 27°C C. From Room 1 to Rooms 2 and 3 until all rooms are about 27°C D. From Room 1 to Rooms 2 and 3 until all rooms are about 25°C

CUBE Test-Taking Strategy

Circle your vocabulary words

Underline important words

BOX in the question

~~ELIMINATE~~ wrong answers