IQ School
Primary 4

Science
Monthly Review for February 2022

Name: ( )	Class:	Date:
Parent's Initial:	Marks: /40	Results: %

Section I. Choose the correct answer then fill in the bracket (15pts)

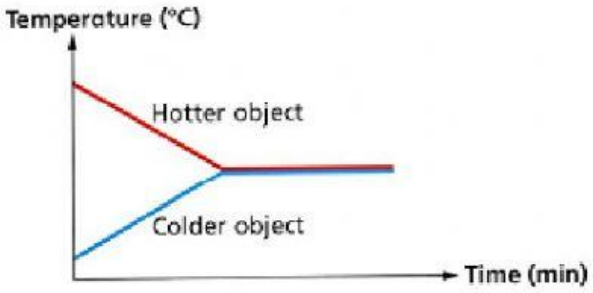
1. An object becomes hotter when it _____ heat.

   a. loses b. gains
   c. makes d. prevents ( )

2. An object becomes colder when it _____ heat.

   a. loses b. gains
   c. makes d. prevents ( )

Study the diagram below. Choose the correct answer for questions 3 to 6



3. The _____ gains heat.

   a. hotter object b. colder object
   c. time d. temperature ( )

4. The _____ loses heat.

   a. hotter object b. colder object
   c. time d. temperature ( )

5. The temperature of hotter object _____.

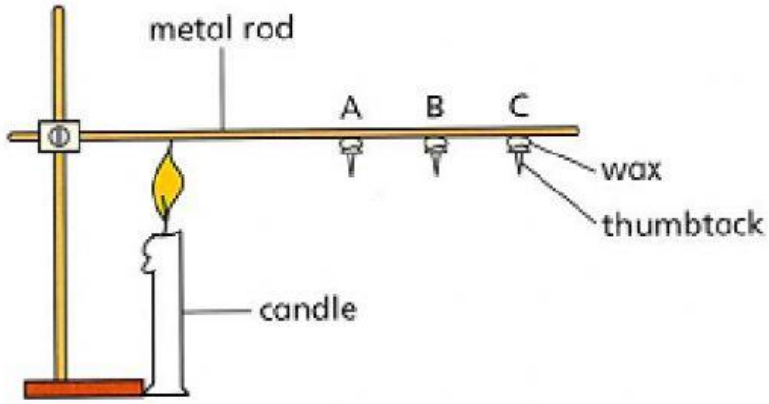
   a. does not change b. goes up and down
   c. increases d. decreases ( )

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6. The temperature of colder object _____.

a. does not change
b. goes up and down
c. increases
d. decreases ( )

Study the diagram below. Choose the correct answer for questions 7 to 9.



7. Which thumbtack drops first?

a. thumbtack A
b. thumbtack B
c. thumbtack C ( )

8. Which thumbtack drops last?

a. thumbtack A
b. thumbtack B
c. thumbtack C ( )

9. Which statement is incorrect?

a. The heat travels from the candle to the metal rod.
b. The heat travels from the hotter place to the colder place.
c. The heat travels from point A to point C.
d. The heat travels from point C to point A. ( )

10. Which statement is correct?

a. The wax is changes from solid to liquid when it gains heat.
b. The wax changes from liquid to solid when it gains heat.
c. The wax changes from solid to liquid when it loses heat. ( )

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11. Which of the following is in liquid state?

a. ice cream in 0° C
b. water in room temperature
c. dry ice in room temperature
d. water in 0° C ( )

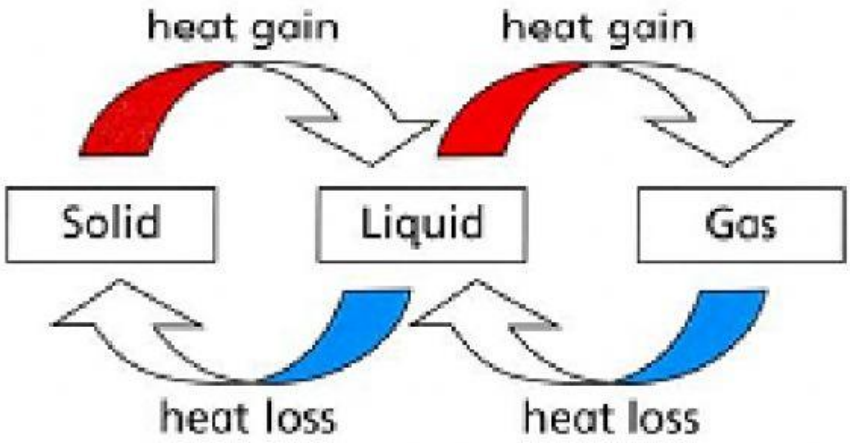
12. Which of the following is in solid state?

a. rock b. oxygen
c. carbon dioxide d. lemonade ( )

13. Which of the following is in gas state?

a. milk b. oxygen
c. wax d. thumbtack ( )

Study the diagram below. Choose the correct answer for questions 14 to 16



14. Which statement is correct?

a. The state of a substance can change from solid to liquid when it gains heat.
b. The state of a substance can change from liquid to solid when it gains heat.
c. The state of a substance can change from gas to liquid when it gains heat.
d. The state of a substance can change from solid to liquid when it loses heat.
( )

15. The state of a substance can change from solid to liquid and from liquid to gas when we _____ temperature.

a. increase b. decrease
c. take away d. do not change ( )

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16. The state of a substance can change from gas to liquid and from liquid to solid when we _____ temperature.

a. increase b. decrease
c. take away d. do not change ( )

17. Dry ice is the solid form of _____.

a. water b. ice
c. oxygen d. carbon dioxide ( )

18. Wax is used to make _____.

a. electric lamps b. candles
c. gas d. thumbtack ( )

19. Choose the correct diagram to show the change in state of dry ice when it gains heat.

a. dry ice → water → carbon dioxide
b. carbon dioxide → water → dry ice
c. dry ice → carbon dioxide
d. carbon dioxide → dry ice ( )

20. Choose the correct diagram to show the change in state of dry ice when it loses heat.

a. dry ice → water → carbon dioxide
b. carbon dioxide → water → dry ice
c. dry ice → carbon dioxide
d. carbon dioxide → dry ice ( )

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Section II. Tick (✓) to the correct column (10pts)

	Statements	True	False
1	There is no heat gain when objects of the same temperature are in contact with each other.		
2	When an ice cube is placed on a table, it gains heat from the table and surrounding air.		
3	Television produces heat which is not useful.		
4	Light is important for plants only.		
5	The temperature of human body is 100°C.		
6	An object becomes hotter when it gains heat.		
7	An object becomes colder when it gains heat.		
8	Water can be found in our environment in all four states.		
9	The wax gains heat and changes from a solid to a liquid.		
10	Dry ice is the solid form of water.		

Section III. Filling in the missing words.

increases	loses	gains	solid	gas
carbon dioxide	gain	liquid	three	colder

1. When water is boiled, its temperature _____.
2. Heat loss causes it to change from gas to _____ and from liquid to _____.
3. Water can be found in our environment in all _____ states.
4. After the candle stops burning, the wax _____ heat and changes from a liquid to a solid.
5. When dry ice gains heat, it becomes _____.
6. When the heat _____, water from solid can change into liquid.
7. Heat _____ causes it to change from solid to liquid and from liquid to _____.
8. An object becomes _____ when it loses heat.

Academic Dept Approved IQ/P4/S/Feb22/Tracy

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Section IV. Answer the following question

Mother placed a bottle of milk which was taken out of a refrigerator into a basin of warm water.
What happened to the temperatures of the bottle of milk and the water?



- Temperature of the bottle of milk: _____

- Temperature of the water: _____

***** End of paper *****

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