IQ School Science
Primary 4 Review for month of November 2021

Name: ( )	Class:	Date:
Parent's Signature:	Results: /30	%

Section A. Multiple Choice Questions.

1. Which of the following is a source of heat?

(a)

(c)

(b)

(d)

( )

2. Which of the following about heat and temperature are correct?

A Heat is a form of energy
B Heat can be measured
C Temperature is a measure of degree of hotness an object.
D Temperature can be measured using a thermometer.

(a) A and B only
(b) B and C only
(c) C and D only
(d) A, C and D

( )

3. Which of the following produce heat which is **not** useful?

A Computer
B Television
C Oven
D Electric ketle

(a) A and B only
(b) C and D only
(c) A, B and C only
(d) A, B and D only

( )

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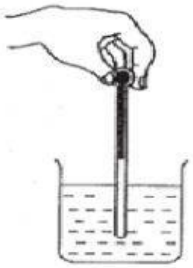
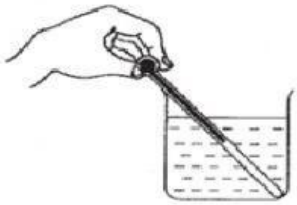
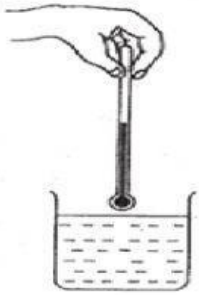
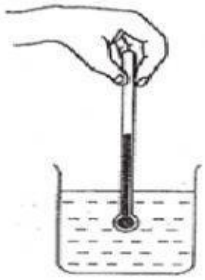
4. Which of the following is a correct position of the thermometer when taking temperature reading of the water?

(a) 

(c) 

(b) 

(d) 

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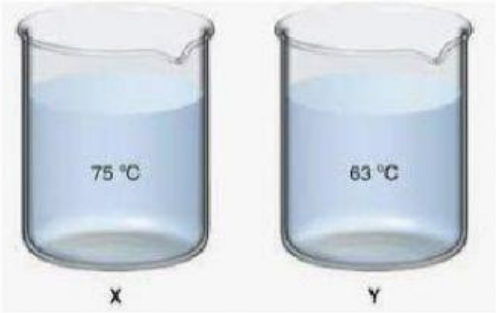
5. Study two containers below. Which of the containers has more heat?



(a) X has more heat
(b) Y has more heat
(c) Both of the two containers have the same amount of heat
(d) It couldn't be sure

( )

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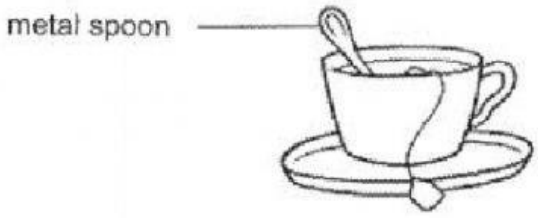
6. Calista places a metal spoon in a cup of hot coffee.



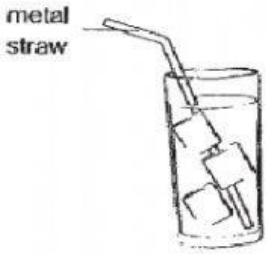
a cup of hot coffee

Which one of the following about the temperature of the metal spoon and the hot coffee is correct?

	Temperature of the metal spoon	Temperature of the hot coffee
(a)	Increase	Decrease
(b)	Increase	Increase
(c)	Decrease	Increase
(d)	Decrease	Decrease

( )

7. Jenny places a metal straw in a cup of icy cold water.



a cup of icy cold water

The straw becomes colder after a while. Which one of the following explains this?

	Metal straw	Cold water
(a)	Gain heat	Gain heat
(b)	Gain heat	Lost heat
(c)	Lost heat	Lost heat
(d)	Lost heat	Gain heat

( )

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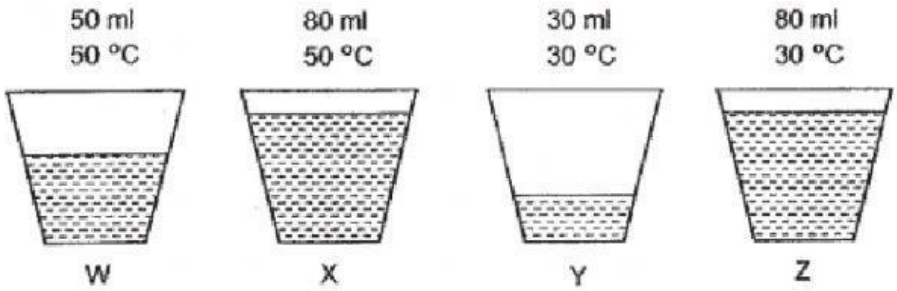
The diagram below shows four containers W, X, Y and Z each filled with different volumes of water at different temperatures.



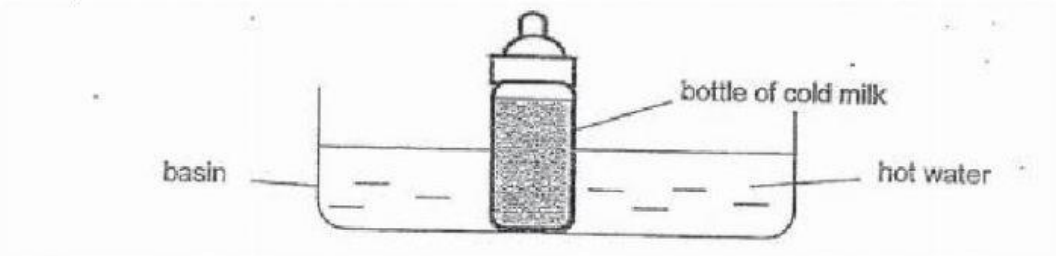
8. Which of the containers of water has the **most** amount of heat?

(a) W (c) Y
(b) X (d) Z ( )

9. Which of the containers of water has the **least** amount of heat?

(a) W (c) Y
(b) X (d) Z ( )

10. Janet places a bottle of cold milk into a basin of hot water as shown.



Which of the following statements are true?

A The milk gains heat from the water
B The milk gains heat from the surrounding air
C The temperature of the water remains the same
D The temperature of the milk increases for a period of time

(a) A and D only (c) A,B and D only
(b) B and C only (d) A, C and D only ( )

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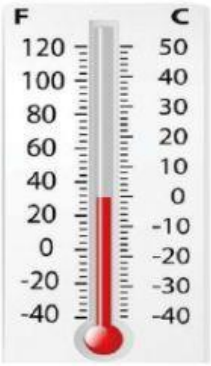
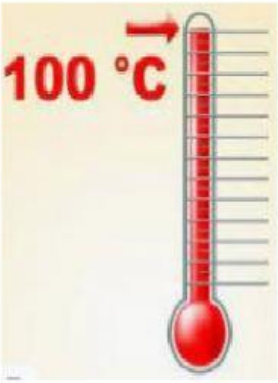
Section B. Open-ended Questions.

1. **Which of the following are sources of heat. Tick your choosen answer.**

2. **Match the temperatures with the correct objects.**

Boiling water	Human body	Melting ice





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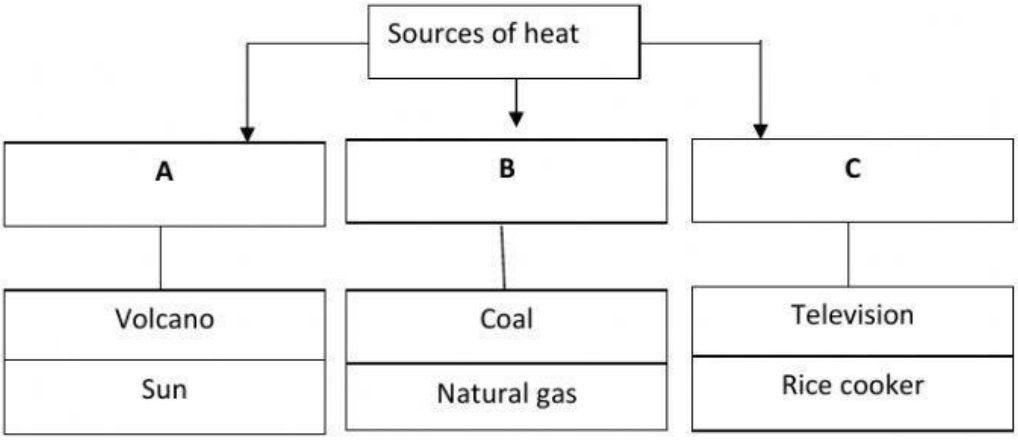
3. Study the classification chart below.



(a) What are suitable headings for A, B and C?

A: _____

B: _____

C: _____

(b) Which group, A , B or C, should these following be placed into?

- Computer: _____

- Hot spring: _____

- Wood : _____

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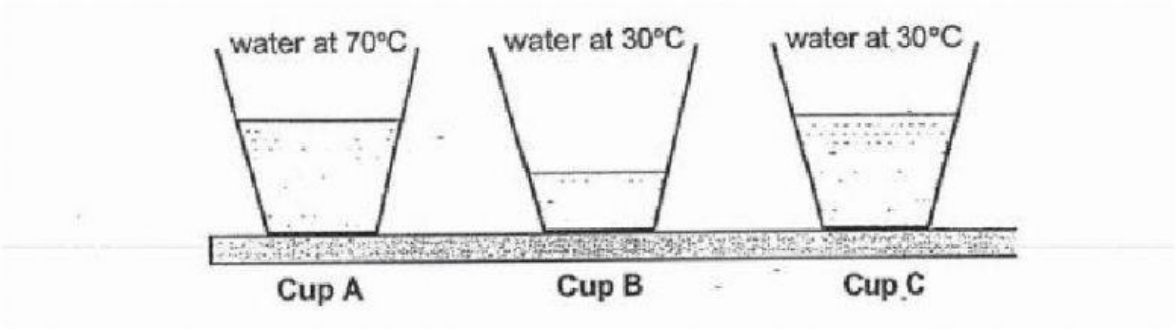
4. Study the diagram below.

The diagram below shows 3 identical cups containing different amounts of water at different temperatures.



a. Arrange the cups according to the amount of heat they contain from the lowest to the highest.

_____.

b. Give 2 reasons to explain your answer.

i. _____

_____

ii. _____

_____

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