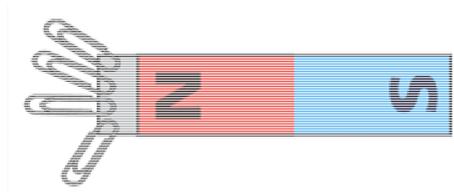


**Section 1 – Multiple Choice Questions (20 questions, 3 marks each)**

1. Where on a magnet is it the strongest?

[3]



- A) repel
- B) magnetic field
- C) poles
- D) attract

2. What happens when the north and south poles of two magnets face each other?

[3]



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- A) repel
- B) attract
- C) nothing
- D) poles

3. What uses electricity to help us at home and school?

[3]



- A) battery
- B) appliances
- C) conductors
- D) water

4. Which material make good conductors?

[3]



- A) glass
- B) plastic
- C) copper
- D) rubber

5. Which type of material does **NOT** allow heat to move through quickly?

[3]



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- A) pot handle
- B) thermal insulators
- C) thermal conductor
- D) steam

6. What do thermal insulators do in a winter jacket?

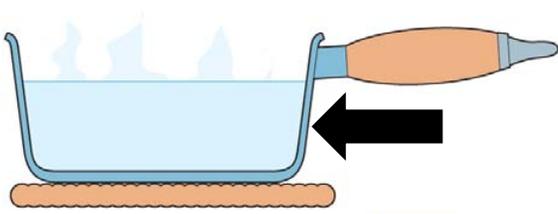
[3]



- A) keep hot things cold.
- B) keep cold things hot.
- C) keep cold things cold.
- D) keeps you warm.

7. Which material is a good thermal conductor?

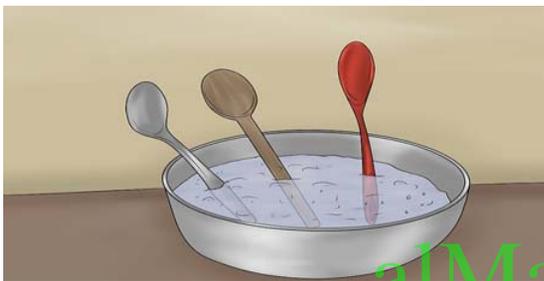
[3]



- A) glass
- B) wood
- C) metal
- D) water

8. Which spoon will cool down the fastest when put in cold water?

[3]

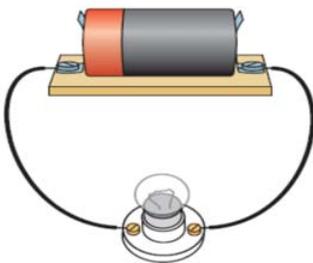


- A) rubber
- B) plastic
- C) wooden
- D) metal

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9. What is the **BEST** word to describe the picture below?

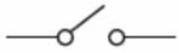
[3]



- A) insulator
- B) conserve
- C) materials
- D) circuit

10. Which electrical symbol does the picture represent?

[3]



- A) battery
- B) bulb
- C) switch
- D) wire

11. How do we waste energy at home and school?

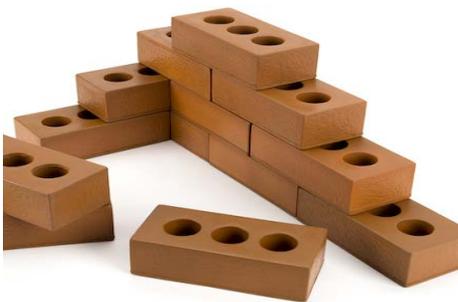
[3]

- A) leave the lights on when we leave the room
- B) fall asleep with the television on
- C) keep the computer on all the time
- D) all of the above

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12. Which state of matter keeps their shape?

[3]



- A) solid
- B) liquid
- C) gas
- D) water

13. Which state of matter is sometimes invisible?

[3]



- A) liquid
- B) gases
- C) solid
- D) book

14. Which state of matter can turn into gas when heated?

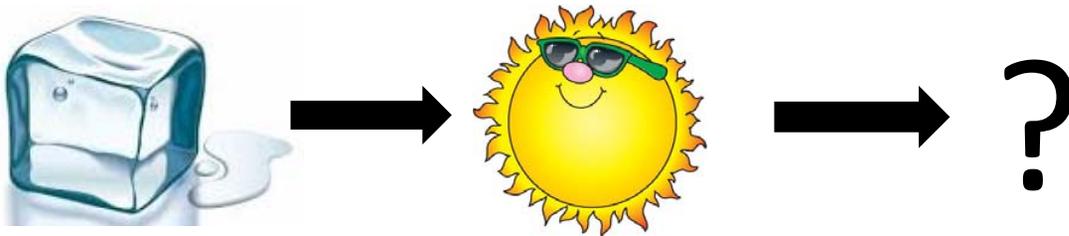
[3]



- A) solid
- B) liquid
- C) gases
- D) door

15. What happens when ice (a solid) is left in the sun?

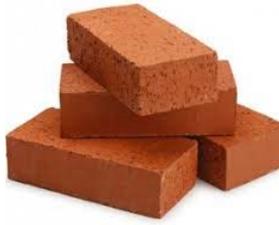
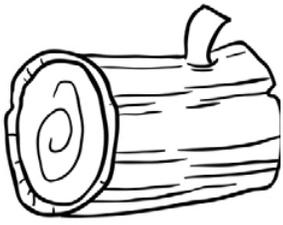
[3]



- A) becomes a solid
- B) becomes a liquid
- C) stays the same
- D) heats up

16. Which substance can melt?

[3]



A) wood

B) bricks

C) leather

D) copper

17. When happens to materials when energy is applied?

[3]



- A) sun
- B) energy
- C) reversible
- D) changes state

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18. What happens to some solid materials when they are cooled down?

[3]



- A) freeze
- B) gold
- C) solidify
- D) melt

19. What has to be trapped inside solids or liquids for foam to form?

[3]



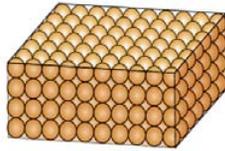
- A) freezing
- B) gas
- C) melting
- D) reversible

20. Which object has the least mass / least particles?

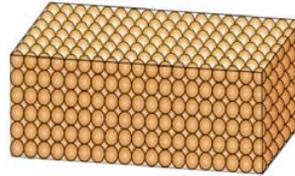
[3]



A



B



C



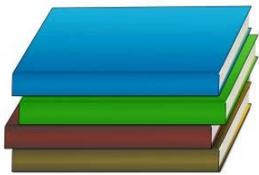
D

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**Section 2 – Other Question Types (40 Marks)**

21. Identify the following objects as magnetic or non-magnetic by placing them in the correct box.

[4]



books



plastic spoons



metal pipe



keys

Magnetic	Non-magnetic

10

22. Identify the following objects as insulator or conductor by placing them in the correct box.

[6]



rubber



glass



gold



silver



wood



metal

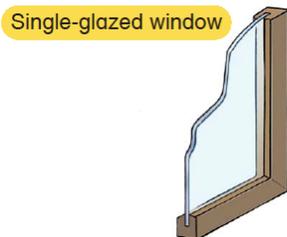
Insulator	Conductor

23. Identify heat source and where the heat transfers to for each of the pictures.

[8]

	Heat source	Where the heat transfers to
		
		
		
		

24. Do single glazed or double-glazed windows lose heat faster? Circle the correct picture. [2]



25. Write three ways how electricity can be conserved at school. [6]

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26. Is heat added or removed in the following pictures? Place the words in the correct box [4]



melting



evaporation



solidifying



freezing

Heat added	Heat removed

27. What causes liquids to evaporate faster and slower?

[4]



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28. Write examples of reversible and permanent changes.

[6]

Reversible Changes	Permanent Changes
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