

Final test

Name.....Surname.....Date.....Class.....

Marks: 50/ 50

The states of matter

1. Fill in the gaps with the correct word: (1 mark)

The three states of matter are: solid,and gas.

2. What is the name of solid water? (1 mark)

- a. Ice
- b. Water vapour
- c. Condensation
- d. Steam

3. John has some water. He puts it in the freezer and it becomes solid. What change of state happens in the freezer? (1 mark)

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4. Choose the correct word: (3 marks)

- a. Water heated can change into.....*Vapour / Ice*.
- b. Water boils at*100/ 50° C*.
- c. Evaporation occurs when a liquid changes into a*liquid / gas*.

5. Fill in the table (3 marks)

STATE	Definite volume and shape	No definite volume and shape	Definite volume but can change shape
Solid			
Liquid			
Gas			

6. Choose the correct answer: (4 marks)

1. The kinetic theory explains...

- a. Energy changes
- b. the properties of solids, liquids and gases.

2. *Sublimation occurs when...*

- a. Solid change to gas
- b. solids change to liquid

3. *Condensation is when...*

- a. A liquid is heated until it boils and it is turned into vapour
- b. A gas is cooled and becomes liquid

4. *Freezing occurs when...*

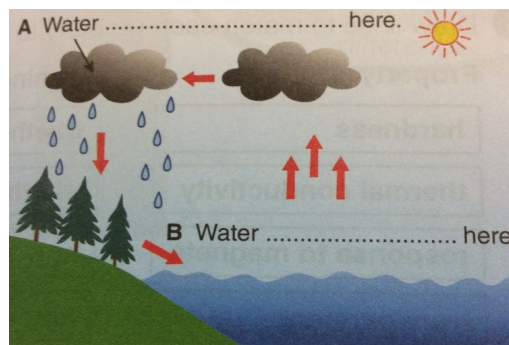
- a. A liquid is cooled and becomes solid
- b. A liquid is heated until it boils and it is turned into vapour

7. **Say if these statements are True or False. Correct the false ones: (4 marks)**

- 1. The melting point is the temperature the solids can melt.
- 2. Different solids melt at same temperatures.
- 3. To measure temperature you need barometer.
- 4. Temperature can be measured in degrees Celsius (°C).

The water cycle

1. **The diagram shows the water cycle. Fill in the gaps in the boxes. (2 marks)**



2. **Multiple choice. Choose the correct answer. (8 marks)**

1. *When water vapour in the air changes into the tiny water droplets which form clouds we say that it...*

- a. condenses
- b. evaporates
- c. disintegrates

2. *The chemical formula for water is...*

- a. C O²
- b. H O²
- c. H² O

3. *Water boils at...*

- a. 50° C
- b. 110° C
- c. 100° C

4. *Water freezes at...*

- a. - 1° C
- b. 0° C
- c. 2° C

5. *Evaporation is when...*

- a. water goes from the ground to vapour in the atmosphere
- b. water moves directly to vapour from ice or snow without ever melting into water
- c. plants release water on to their leaves that then evaporates into vapour

6. *Sublimation is when...*

- a. water goes from the ground to vapour in the atmosphere
- b. water moves directly to vapour from ice or snow without ever melting into water
- c. plants release water on to their leaves that then evaporates into vapour

7. *Transpiration is when...*

- a. water goes from the ground to vapour in the atmosphere
- b. water moves directly to vapour from ice or snow without ever melting into water
- c. plants release water on to their leaves that then evaporates into vapour

8. *Precipitation is when...*

- a. water goes from the ground to vapour in the atmosphere
- b. water moves directly to vapour from ice or snow without ever melting into water
- c. water falls from the atmosphere back to land

3. Circle the correct **bold** word in each pair. (5 marks)

The Sun **heats/ cools** water in the sea. Some water **evaporates/ condenses** to make water vapour. This rises and **heats/ cools**. It **evaporates/ condenses** to make liquid water in clouds. Liquid water falls from clouds as **rain/ snow**.

4. True or false choice. Say if these statements are true or false then correct the false ones. (4 marks)

- a. Water is a good solvent
- b. Water is a compound
- c. When water freezes it forms water vapour.
- d. Water vapour forms ice.

5. Choose the correct italics word. (2 marks)

Clouds are where water starts to*evaporate/ condense*.

Condensation is the process of water vapour becoming*liquid water/ ice*.

6. Answer the following questions: (14 marks)

1. What is called the recycling process of water on the Earth?

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2. How are clouds formed?

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3. What are the main forms of precipitation?

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4. How does the water return to the sea?

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5. How does water go from land to vapour in the atmosphere?

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6. What is transpiration?

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7. Where does the Earth store water?

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