

**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)**

.....

**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)**

<b>STATE</b>	<b>Definite volume and shape</b>	<b>No definite volume and shape</b>	<b>Definite volume but can change shape</b>
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. **X**

2. *Sublimation occurs when...*

- a. Solid change to gas **X**
- 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 **X**

4. *Freezing occurs when...*

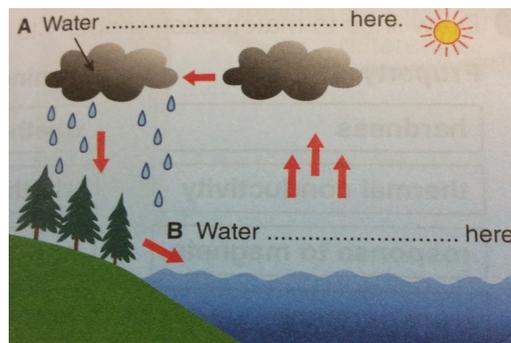
- a. A liquid is cooled and becomes solid **X**
- b. A liquid is heated until it boils and it is turned into vapour

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. **T**
- 2. Different solids melt at same temperatures. **F**
- 3. To measure temperature you need barometer. **F**
- 4. Temperature can be measured in degrees Celsius ( $^{\circ}\text{C}$ ). **T**

### 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.  $\text{C O}^2$
- b.  $\text{H O}^2$
- c.  $\text{H}^2 \text{O}$

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 **T**
- b. Water is a compound **T**
- c. When water freezes it forms water vapour. **F**
- d. Water vapour forms ice. **F**

**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: (10 marks)**

1. What is called the recycling process of water on the Earth?
2. How are clouds formed?
3. How are low-level clouds known as?
4. What are the main forms of precipitation?
5. How does the water return to the sea?
6. How does water go from land to vapor in the atmosphere?
7. Where does the Earth store water?
8. What is the largest storage of water?
9. Where is fresh water stored?
10. Is salty ocean water drinkable?