

AL-REYYADA INTERNATIONAL SCHOOL
MAHASEN ARAMCO, AL-AHSA, KINGDOM OF SAUDI ARABIA



SCIENCE – 6



Lesson – Measurement

NAME: _____

CLASS: _____

Worksheet – 1

DATE: _____

PAPER – 4

I. Fill in the blanks.

1. The hotness or coldness of a substance is measured by taking its .

2. The two liquids that are used in a thermometer are and .

3. Physics is the scientific study of how and interact.

4. 52 kg = Mt.

5. Mercury has a freezing point of °C and a boiling point of °C.

6. Each stage in a rocket has and .

7. The international system of units that is used by the scientists across the world is known as the .

8. If the of the thermometer is placed in a hot substance, the liquid inside the tube moves up.

9. It is important to be and with measurements so that data in results are reliable.

II. Define the following terms.

i) Phenomena

Ans:

ii) Accuracy

Ans:

iii) SI units

Ans:

III. Answer the following questions:

1. 'Care in setting up the device is needed'. Explain this statement by using examples.

Ans:

2. 'Sometimes we can observe several phenomena in an event.' Using the example of launching a rocket explain this statement.

Ans:

3. Give one difference between melting point and boiling point with one example each.

Melting point	Boiling point
1.	1.
E.g.:	E.g.:

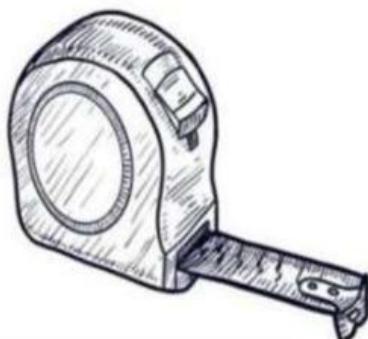
PAPER – 6

IV. Convert the following:

1.	$50 \text{ min} = \boxed{} \text{ s}$
2.	$8 \mu\text{m} = \boxed{} \text{ m}$
3.	$20 \text{ nm} = \boxed{} \text{ cm}$
4.	$32 \text{ mg} = \boxed{} \text{ t}$
5.	$7 \text{ d} = \boxed{} \text{ s}$

V. Identify the following measuring instruments.





VI. A student uses thermometer to monitor the change in temperature of water. i) Observe the diagram carefully and take the thermometer reading in $^{\circ}\text{C}$. Also indicate the state of water at that particular temperature.



Thermometer reading 1

$^{\circ}\text{C}$.

State of water -



Thermometer reading 2

$^{\circ}\text{C}$.

State of water -

ii) Explain why the liquid inside the thermometer went down.

Ans: