

2034 NANUKU SANGAM SCHOOL

BASIC SCIENCE

WORKSHEET 1

NAME : _____

YEAR 7

STRAND: Matter

SUB-STRAND: Investigating Matter

CLO: Recognize the differences in the physical properties of matter.

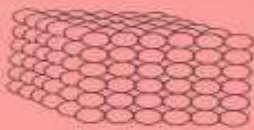
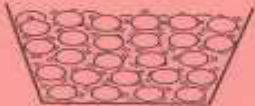

LESSON NOTES

MATTER

All the substances that we feel, smell or see are examples of matter.

Matter is anything that has mass and occupies space

The 3 states of matter are; **solids, liquids and gases.**

STATES	PARTICLE MODEL	CHARACTERISTIC/ PROPERTY
SOLID	<p>The particles in a solid are packed tightly in a fixed pattern. Particles cannot move out of position. They can only vibrate to and fro.</p> 	Have definite shape and volume. Cannot be compressed as particles are closely packed.
LIQUID	<p>The particles in a liquid can move about and slide past each other. They are still close together but not in a fixed pattern.</p> 	Liquids have definite volume but no fixed shape. Liquids take the shape of the container.
GAS	<p>The particles in a gas are far apart and they move about freely. There are almost no forces holding them together.</p> 	A gas occupies a much larger volume filling up any empty space. It has no fixed shape and can be easily compressed.

Questions

1. List the 3 states of matter?

2. In the table below classify the following items in each of the three columns.
Water, clothes, soil, kerosene, water vapour, desk, air, ruler, milk, tin.

SOLIDS	LIQUIDS	GASES