

1076 NADI SANGAM SCHOOL

YEAR 7

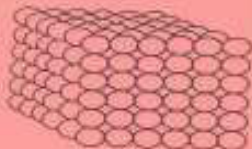
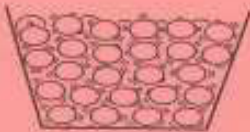

BASIC SCIENCE

WORKSHEET 3

INVESTIGATING MATTER

STRAND	STRAND 2 MATTER
SUB STRAND	2.1 INVESTIGATING MATTER 2.1.1 STRUCTURE AND PROPERTIES OF MATTER
CONTENT LEARNING OUTCOMES	<ul style="list-style-type: none">➤ Recognize the differences in the physical properties of matter➤ Explain the changes matter undergo when reacting and differentiate between these changes using simple experiments.

Matter can be classified into three groups. Solid, Liquid and Gas

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> 	<p>Have definite shape and volume. Cannot be compressed as particles are closely packed.</p>
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> 	<p>Liquids have definite volume but no fixed shape. Liquids take the shape of the container.</p>
GAS	<p>The particles in a gas are far apart and they move about freely. There are almost no forces holding them together.</p> 	<p>A gas occupies a much larger volume filling up any empty space. It has no fixed shape and can be easily compressed.</p>

