

Assessment Date: ____/____/____ Student: _____ Examiner: _____
Words Read Correctly (WRC): _____ Errors: _____ Notes: _____

Solids, Liquids and Gases

We have begun to learn in Science that matter is made up of atoms and molecules. Millions and millions of these tiny objects fit together to form larger things like animals and planets and cars. Matter includes the water we drink, the air we breathe, and the chair we are sitting on.	15 28 41 52
States or Phases	55
Matter usually exists in one of three states or phases: solid, liquid, or gas. The chair you are sitting on is a solid, the water you drink is liquid, and the air you breathe is a gas.	70 88 92
Changing State	94
The atoms and molecules don't change, but the way they move about does.	107
Water, for example, is always made up of two hydrogen atoms and one oxygen atom. However, it can take the state of liquid, solid (ice), and gas (steam).	121 135
Matter changes state when more energy gets added to it. Energy is often added in the form of heat or pressure.	148 156
Water	157
Solid water is called ice. This is water with the lowest energy and temperature.	171
When solid, the molecules in water are held tightly together and don't move easily.	184 185
Liquid water is just called water. As ice heats up it will change phases to liquid water. Liquid molecules are looser and can move about easily.	201 211
Gas water is called steam or vapor. When water boils it will turn to vapor.	226
These molecules are hotter, looser, and moving faster than the liquid molecules. They are more spread apart and can be compressed or squished.	237 249

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