Facts to Know:

- Matter that is a **solid** does not change its shape.
- A **gas** expands and fills all the space available.

Vocabulary:

A **property** is something you can observe about matter.

A **periodic table** is a way of arranging elements based on their properties.

An **element** is matter made of a single type of particle.

**Pressure** is the pushing of particles in matter.

An **atom** is the smallest particle of an element that has the properties of the element.

**Matter** is anything that takes up space and has weight.
Chapter 10: Lesson 2
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Facts to Know:

- **Volume** can be measured using a measuring cup.
- In order to compare the **density** of two solid objects, you need to know their masses and their volumes.
- **Magnifying glasses** and hand lenses are used to observe very small objects.
- Metric rulers are used to measure **length**.

Vocabulary:

**Mass** is the amount of matter in an object.

**Buoyancy** is the property of matter that describes how well an object floats.

**Volume** is the amount of space the object takes up.

**Density** is the amount of matter in a certain amount of space.