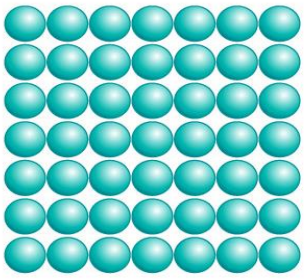
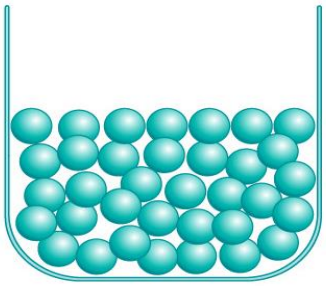
Name _____ **Test Date:** **Friday 10/11**

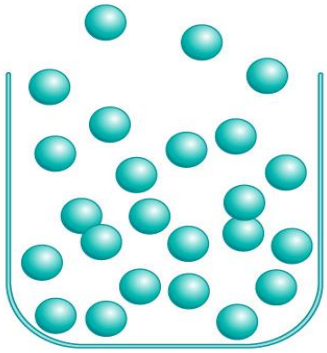
S5P1: Matter Study Guide

There are 3 states of matter:

_____	_____	_____
Has a definite _____ and _____. The particles fit very closely together and stay put.	Has a definite _____ but no definite _____. The particles are close together, but can move past each other.	Has no definite _____ or _____. The particles are the farthest apart and move the _____.







Ice _____ to become water, then can _____ to become a gas. Water vapor can turn to liquid through _____. An example of this would be _____ on the grass, drops of water forming on a _____ glass, or water droplets forming on the mirror or wall after a shower. Water _____ below 32°F.

Mixtures & Solutions:

A mixture is made when two or more substances are combined, but they can be _____ .

A solution is a mixture where one of the substances _____ in the other.

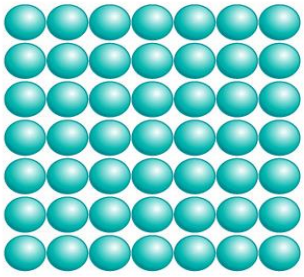
Physical Change	**Chemical Change**
• Something that changes the physical property of a substance, such as _____, _____, or _____ . • Examples include changes in _____ of matter (_____, melting, evaporation, _____)	• A reaction that rearranges the particles of two or more substances to create a _____ substance. • Examples include _____ changes, producing a _____, _____, _____, or _____ .

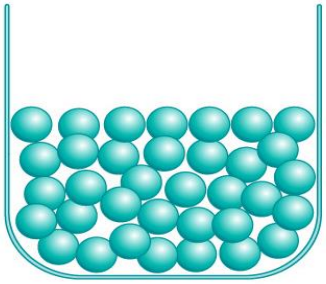
Name _____**Answer Key**_____ **Test Date:** ____**Friday 10/11**

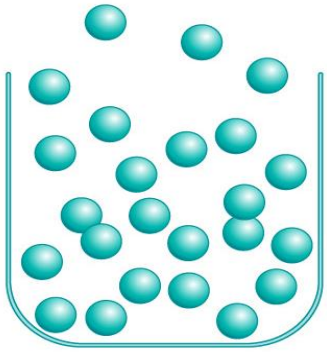
S5P1: Matter Study Guide

There are 3 states of matter:

Solid	Liquid	Gas
Has a definite **volume** and **shape**. The particles fit very closely together and stay put.	Has a definite **volume** but no definite **shape.** The particles are close together, but can move past each other.	Has no definite **volume** or **shape**. The particles are the farthest apart and move the **fastest**.







Ice **melts** to become water, then can **evaporate** to become a gas. Water vapor can turn to liquid through **condensation**. An example of this would be **dew** on the grass, drops of water forming on a **cold** glass, or water droplets forming on the mirror or wall after a shower.

Water **freezes** below 32°F.

Mixtures & Solutions:

A mixture is made when two or more substances are combined, but they can be **separated**.

A solution is a mixture where one of the substances **dissolves** in the other.

Physical Change	Chemical Change
• Something that changes the physical property of a substance, such as **shape, size**, or **form**. • Examples include changes in **states** of matter (**freezing**, melting, evaporation, **condensation**)	• A reaction that rearranges the particles of two or more substances to create a **new** substance. • Examples include **color** changes, producing a **gas, rust, heat** or **odor**.