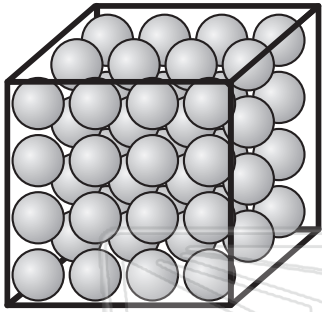




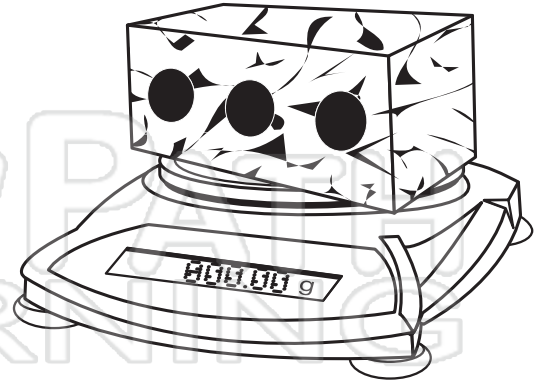
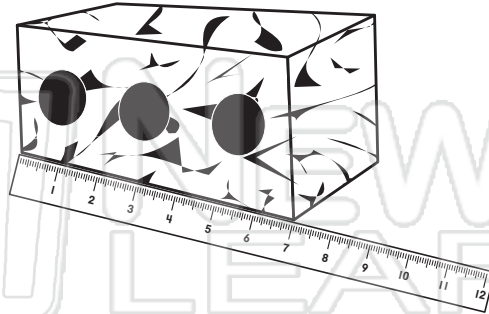
# Solids, Liquids & Gases

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Particles that make up a **solid** are packed very closely together in a set position. Solid materials have a **definite shape** and **volume**.

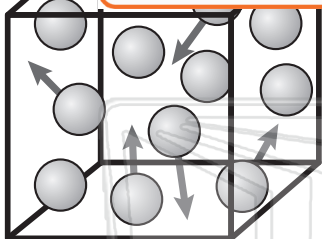


Particles of **crystalline solids** such as salt or sugar, are arranged in a regular pattern.

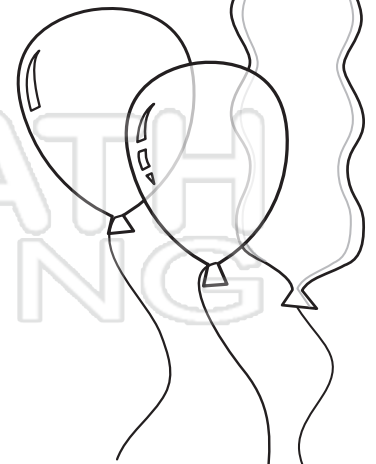
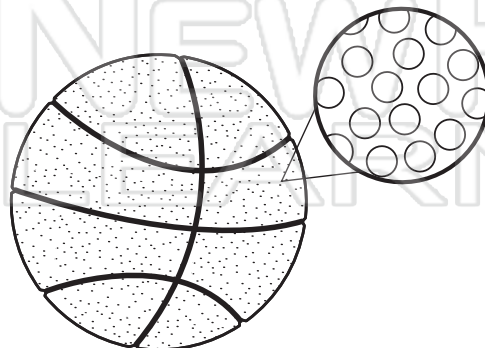


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Particles of a gas can be squeezed together or spread apart in a container **filling** all the space available.





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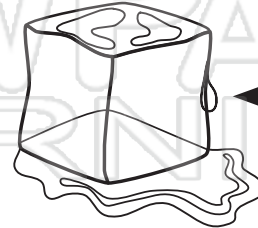
## Changes of State

### Solid to Liquid

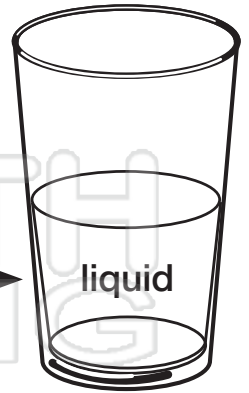
At its **melting point**, particles of a solid vibrate so fast that they break free from their closely packed arrangement.

**Freezing** is the reverse process of melting. At its **freezing point**, the particles of a liquid slow down and form regular patterns.

solid



liquid



### Solid to Gas

During



a gas.

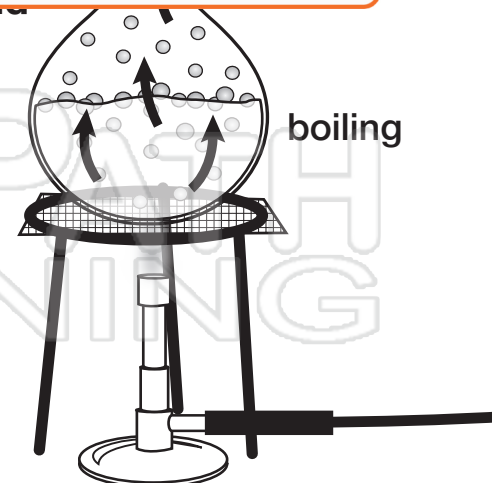
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ion

**Evaporation** takes place when the particles in a liquid gain enough heat energy to form a gas.

**Boiling** takes place when a liquid changes to a gas just below and above its surface.





# Solids, Liquids & Gases

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Find three examples each of solids, liquids, and gases and fill in the appropriate information on the graphic organizer below.

State of Matter	Example	Description
solid		
solid		
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gas		
gas		
gas		



# Solids, Liquids & Gases

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Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Make a chart or poster similar to the one shown below. Color and cut out images of objects. Place them in the correct category – solid, liquid or gas.

solids	liquids	gases
		
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# Solids, Liquids & Gases

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Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Color the objects and cut them out. Is it a solid, liquid or gas?  
Make a chart or poster.



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# Solids, Liquids & Gases

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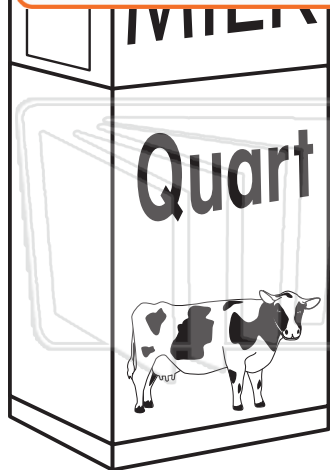
Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Color the objects and cut them out. Is it a solid, liquid or gas?  
Make a chart or poster.



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## Answer Key - Example

Make a chart or poster similar to the one shown below. Color and cut out images of objects. Place them in the correct category – solid, liquid or gas.

solids	liquids	gases
		
 <p style="text-align: center;"><b>PREVIEW</b></p> <p style="text-align: center;">Please <a href="#">Sign In</a> or <a href="#">Sign Up</a> to download the printable version of this worksheet</p>		
		