

Warm Up

1) What do you think of when you hear the word "Chemistry"?

Nov 17-5:14 PM

What is Matter?

Matter is anything that takes up space and has a mass

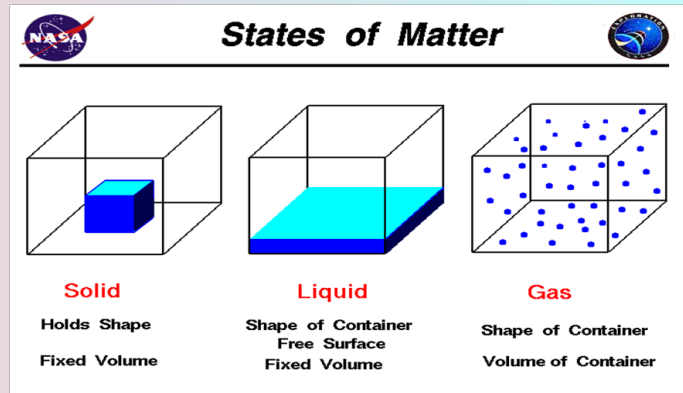
- It is anything that has a mass and volume

Nov 17-5:26 PM

Properties of Matter

- Matter can be found in three phases

- > Solid
- > Liquid
- > Gas

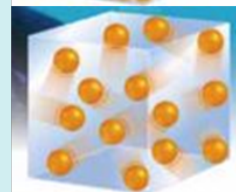
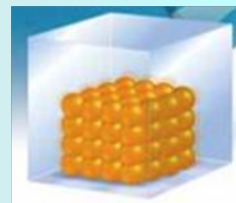


Think of an example of matter that exists in all three states?

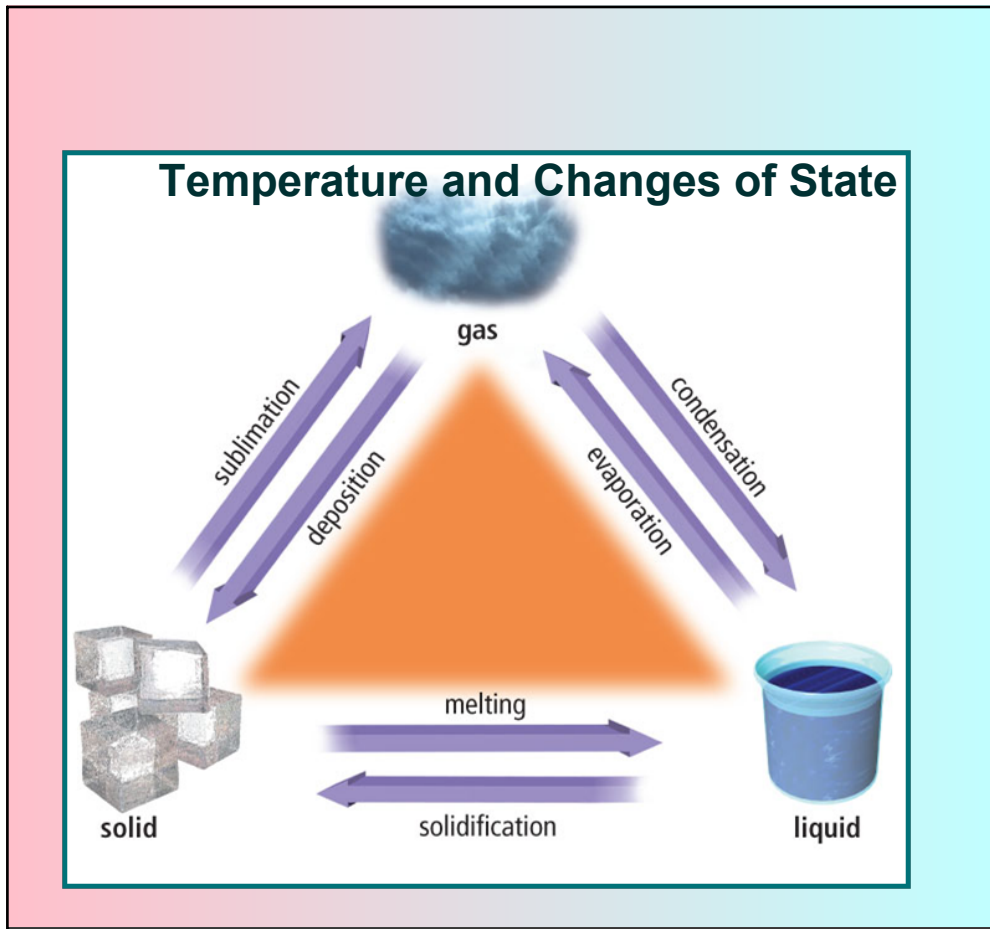
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Properties of Matter

- Matter is made of small particles. There are empty spaces between all of these particles that allow the particles to move.
- > **Solid particles** are packed together and cannot move freely. They only vibrate.
- > **Liquid particles** are farther apart and can slide past each other.
- > **Gas particles** are far apart and move around quickly.



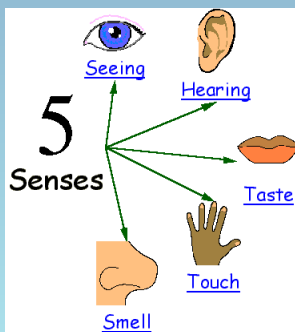
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Physical Properties

One of the physical properties of matter is its state.

Another way to describe physical properties is using our senses.



What could we observe from each of the 5 senses?

- i) **Sight**: color, bright, dull
- ii) **Hearing**: Bubbling, crackling, snapping
- iii) **Taste**: sweet, salty, bitter
- iv) **Touch**: Rough, soft, slimy,
- v) **Smell**: Sweet, rotten,

Jan 28-4:54 PM

Substance Safety to use or not to use?

- Look at the warning symbols that are placed on the container.

Can you think of some examples of products where you have seen warning labels before?



Jan 28-4:29 PM

Did you know?????

If a container has the words: **POISON**, **DANGER**, **WARNING** or **CAUTION** on the label and still has product left over it cannot go in the trash.



EXPLOSIVE	POISON	CORROSIVE	FLAMMABLE
Aerosols, propane cylinders	Pesticides, chemicals, rat poison, bleach, pharmaceuticals, cleaning fluids	Batteries, drain cleaners, oven cleaners	Paint, solvent, oil, gasoline, BBQ starters

Nov 18-8:50 PM

WHMIS Symbols

- **Workplace Hazardous Materials Information System (WHMIS)**

- A method of ensuring everyone has access to appropriate safety information about any substance they may encounter that is manufactured or sold

Part 2 of video

Nov 18-8:50 PM

- **WHMIS is a system of 8 symbols**



Nov 18-8:50 PM

Other Safety Symbols II

2. Hazards

– Explosive



• Flammable



– Corrosive



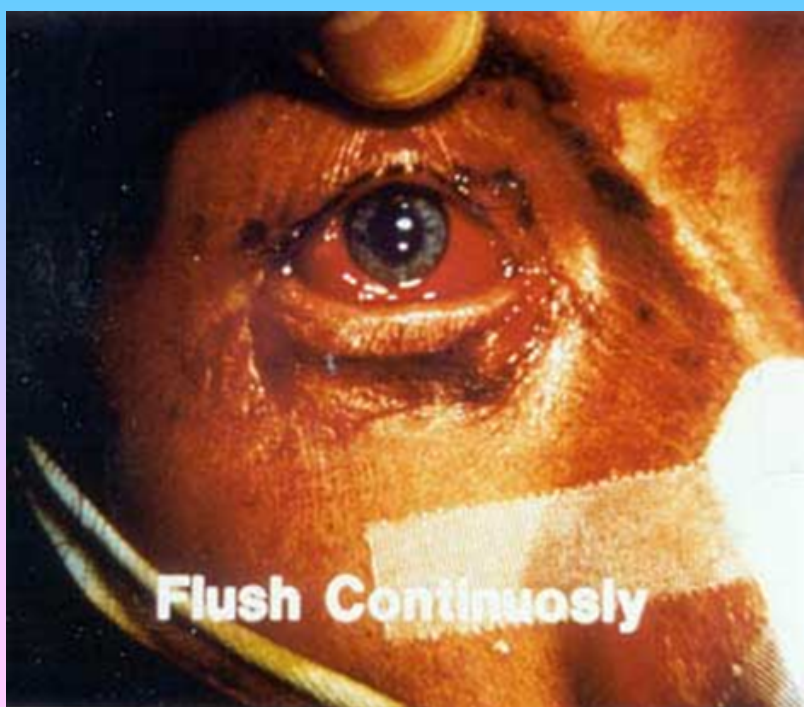
• Poisonous



Nov 18-8:50 PM

What Can Happen if you dont follow the safety rules?

Chemical Burns



Jan 28-4:30 PM

Chemical Burns



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Attachments

safety symbols assignment.doc