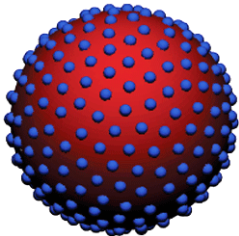


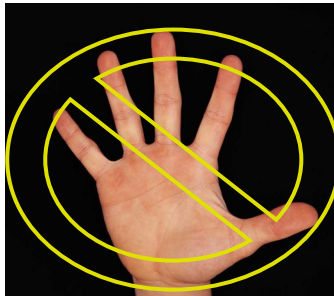
# Plasma

- Plasma is the most common form of matter.
- Plasma in the stars makes up 99% of the visible universe.
- We don't see a lot of plasma because it is too cold to reach that state
- We have man made plasma on Earth for example: neon signs and fluorescent light bulbs.
- Another term for plasma is "ionized gas".
- Plasma consists of freely moving particles i.e. ions and electrons.
- A man made example is a plasma is a plasma lamp.



# Creative Story

Benny the ice cube was the coolest ice cube in the freezer. One day, the door opened and the dreaded hand reached into the ice tray grabbing five ice cubes including: Benny, Maxine, Mater, Tommy, and Angelina. The hand deposited the ice cubes into a glass and left them in the sun. Benny was on the bottom of the glass he told everyone to calm down. The hand came back and found that the ice cubes were gone so the hand opened the door and the ice cubes slipped back into the freezer. But, Benny was left out and sadly he melted. His funeral was three days later. He was rewarded with the title: GREATEST ICE CUBE FOR 2009.



# Four States of Matter

## Four States of Matter

- Solids
- Liquids
- Gases
- Plasma

Annie R.

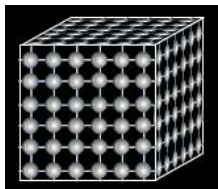
Class 5

2/11/09

# Solids

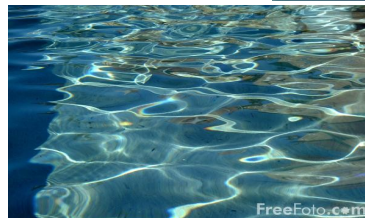
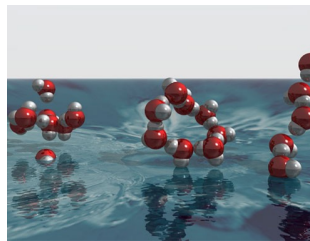


- A solid has a definite shape and volume
- The particles that make up a solid are so closely packed together that it makes it harder to separate them.
- You can think of the molecules in solid as people running.
- Particles that are not arranged in a regular pattern are called amorphous solids.
- Solids particles are always in a fixed position.
- Particles that are made of crystals are called crystalline solids.
- Examples of solids are: tables and chairs.



# Liquids

- Liquids have no shape of its own.
- No matter what shape the liquid takes it has the same volume.
- Liquids can be found between solid and gas state.
- A liquid is also called a fluid.
- The resistance to flow is called viscosity.
- Liquids that flow freely have a low viscosity.
- Examples of liquids are: Blood, water, Coca Cola



# Gases

- Gases can change volume very easily
- Gas has no definite shape
- The words vapor, fume, air, or miasma.
- Has relatively low viscosity and density
- Gas will expand and contract if changes in temperature and pressure
- Gas will diffuse readily
- Examples of Gases are: oxygen, steam, Nitrogen, Carbon Dioxide.

