

Solids

- A solid is an object that has a definite shape.



- The particles that are within a solid are packed very closely together and are in a fixed position.

- The particles form in a repeating pattern in which these patterns crystal solids.
- Crystal solids that are called that are made up of crystals are crystalline solids. Examples of crystalline solids are salt, sand, sugar.
- When a crystalline solid is heated it melts at a distinct temp called melting point.
- In other solids particles are not arranged in a regular pattern called amorphous solids when

it is heated it gets softer and softer instead of melting. Examples: plastic rubber and gas.



Liquids

- A liquid is something that has no shape of its own.
- Liquid are like a solid in the matter in that they do not compress or expand.
- The liquids have the volume no matter what container it is in.
- The particles in a liquid are packed almost as closely as in a solid.

- A liquid can also be called a fluid meaning a substance that flows

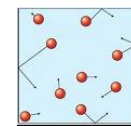


- The resistance of a liquid flowing is called its viscosity the slower the flow. Cold molasses is an example of high viscosity, water and vinegar is an examples of a low viscosity.



Gases

- The particles of gas move rapidly.
- Gases have much larger gaps in between the particles unlike a liquid or a solid.
- Gas molecules are very weak.
- A gas fills its container taking the shape and the container.
- In a gas particles can move past one another.
- Gases are also very compressible.
- A good example of a gas is helium and a jet engine



Plasma

- Plasma is Partially ionized gas..



- Plasma is made of free electrons and ions of the element.

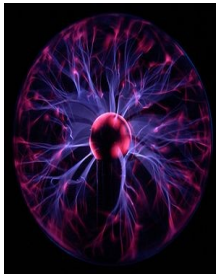
- They are not everywhere but they are in a fluorescent

light bulb another example is a neon sign.

- You do not see many plasmas on earth because it is too cold.

- Plasmas come in different varieties depending on the temperature and density.

- Plasma is 1500 degrees hotter than water.



The Story

One day tiny the ice berg was just hanging out in the nice freezing ocean when all of a sudden he met his melting point. For evidently it was getting warmer and warmer and 15 years later tiny had almost melted entirely into a liquid. Tiny was gone but the heat didn't stop and in a period of 15 years tiny the puddle which used to be an iceberg .. evaporated into nothing. We most likely will never see tiny again.



Organization

Derek
Seamans

Primary Business Address

Your Address Line 2

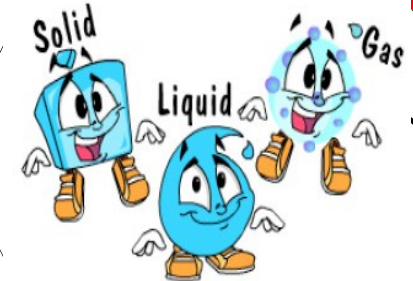
Your Address Line 3

Your Address Line 4

Phone: 555-555-5555

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The Four States of Matter!

- Liquids
- Solids
- Gases
- Plasma

Why Does it Matter?

Derek

Period 4
science