

What is Matter?

Everything is made of matter

(water, food, computers, rocks etc)

Hey that's almost like
"Everything MATTERS"

Matter

Matter - is anything that has mass and takes up space (everything around you, including you). It has 3 forms Solid, Liquid or Gas.

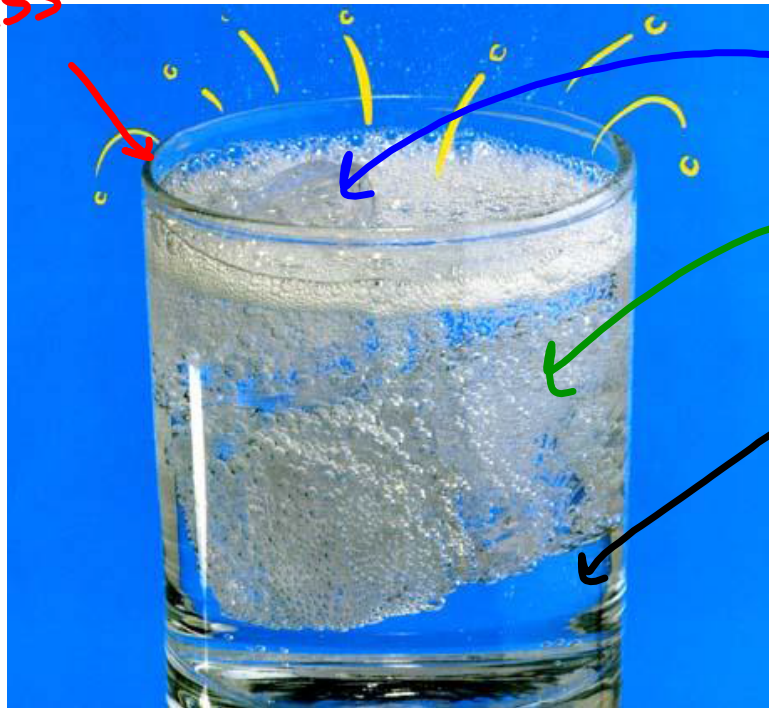
Particle Theory of Matter

- All matter is made up of very tiny particles.
- All particles in a pure substance are the same but different from another substance.
- There are spaces between the particles.
- The particles are always moving. They move faster if they gain energy(Heat).
- There are attractions between particles. Some are weak and some are strong.

Matter has 3 states

Solid

glass



Solid

Ice cube

bubbles (gas)

7up

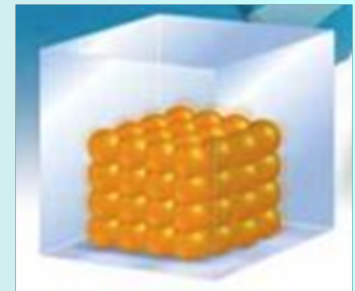
Look at this picture of 7Up in a glass with ice.

What are the 3 states of matter in this picture?

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.

