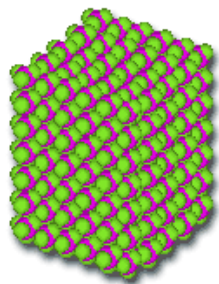




### 3 States of Matter

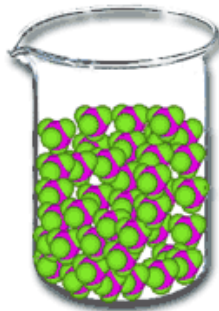
• Copy the chart

State	Shape	Volume	Particle arrangement	Particle movement
1. Solid	Definite → can hold	Definite → can fix LxWxh	Close	Vibrate
2. Liquid	Indefinite → can't hold → drips out	Definite → fill cup w/ orange juice w/ q. matter	Close	Free flowing
3. Gas	Indefinite	indefinite	Far Apart	Random



**Solid**

particles tightly packed, like bees in a hive. Greatly effected by gravity, that is why solids fall to the ground. Vibrate since cannot move around freely.



**Liquid**

Particles in liquid have enough energy to pull away from each other, while at the same time vibrating close together in small clusters. Relate this to a group of people talking at a party. They can move around as a group, or flow in between other groups.

Still effected by gravity. falls downward

Diffusion of food coloring in water



**Gas**

Particles are so far apart and they have lots of energy.

Sometimes goes against gravity.

Takes shape of any container or room it is in.

Remember diffusion of perfume



Hipster ice cube

RJ23, ifunny.mobi



# Journal

Close up your notebooks



- Write about ~~10~~<sup>5</sup> facts from the previous notes in you journals

