Particles menu by Kareem kurdi

Q1:

Solid: the particles are very strongly attracted to each other and they vibrate in a fixed position.

Liquid: the particles are strongly attracted to each other and they slide slowly over one another.

Gas: the particles are very weakly attracted to each other and they move very fast in all directions.

Properties of solids:

1. solids have a fixed shape and a fixed volume
2. solids cannot be compressed
3. solids have a high density
4. the attraction between solids is very strong
5. the space between solids is very little

properties of liquids:

1. liquids do not have a fixed shape but have a fixed volume
2. liquids cannot be compressed
3. liquids have a lower density the solids
4. the attraction of liquids is slightly weaker than solids
5. liquids slide over one another and have a little more space that solids in between the particles.

Q2:

gas

liquid

solid

Q3:

When a solid is heated all the particles receive more energy and move more strongly and push each other a little further apart. If the solid is heated further, the energy makes the particles vibrate so strongly that they slide over each other and become a liquid. and when the liquid gets colder the particles lose energy forcing them to come closer together turning it into a solid.

Q4:

condensation

precipitation

evaporation