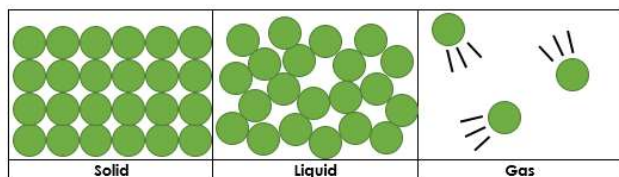
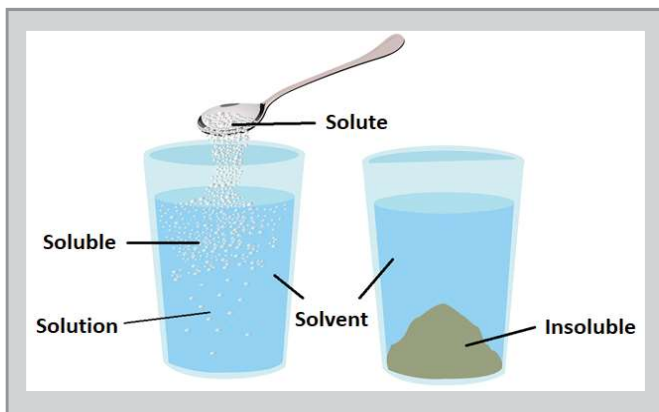
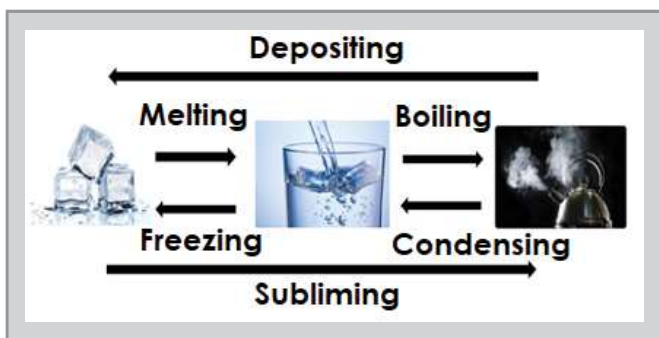


Particle arrangement in solids, liquids and gases



	Pure substances	Impure substances
Definition	Contain only one type of particle	Contain two or more types of particles
Examples	Pure water 24 carat gold	Tap water Rose gold White gold
Particle diagram		



Physical Changes

Physical changes take place when particles change arrangement

Examples:

1. Changing state
2. When two substances are mixed
3. When a substance or material is broken apart.

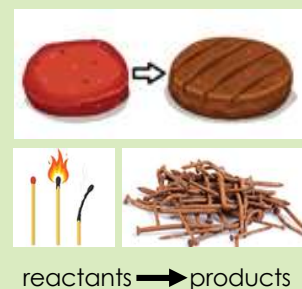


Chemical Change

Chemical change is when the particles that you begin with (reactants) turned into new particles (products)

Examples:

1. When something is burned
2. When food is cooked
3. When metal rusts

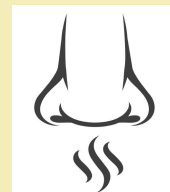


5 signs of a chemical reaction

1. Colour change



2. Smell



3. Change in Temp.



4. Precipitate formed



5. Bubbles produced

