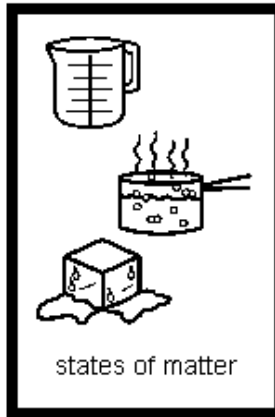
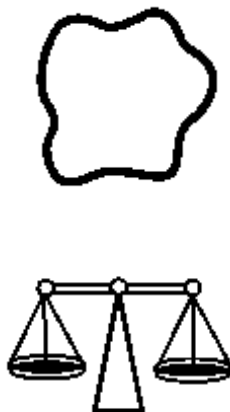


States of Matter



- Solid
- Liquid
- Gas
- Reversible

Matter



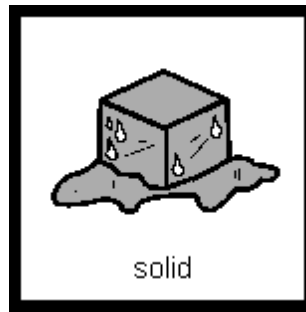
- Takes up space
- Has weight

Properties



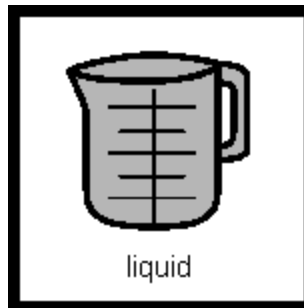
- Physical
- Describe using your senses
- e.g. hard, sinks
- Chemical
- How matter changes with heat, pressure, light, chemical reaction
- e.g. burns, melts, dissolves

Solid



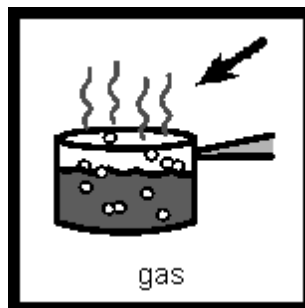
- Shape stays the same
- e.g. granular, hard, opaque

Liquid



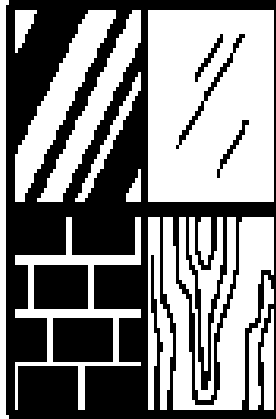
- Takes shape of container
- Can be poured
- e.g. greasy, runny, clear, cloudy

Gas



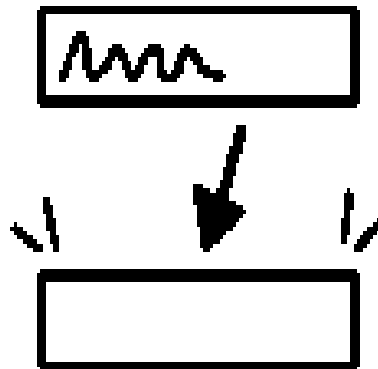
- Takes shape of container
- Spreads spontaneously
- e.g. clear, colourless

Material



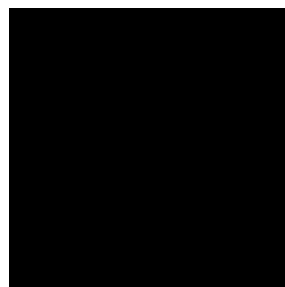
- What the thing is made of
- e.g. glass, iron, water

Clear



- All light passes through

Opaque



- No light passes through

Solution

Sugar and
Water

- Different matter mixes very well and 'disappears'
- The matter **dissolves**

Suspension

Baking Soda
and Water

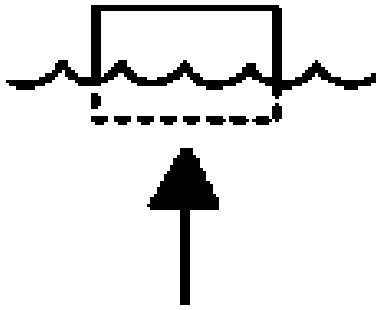
- Different matter mixes temporarily (cloudy) BUT soon **separates**

Mechanical Mixture

Raisins and
Flakes

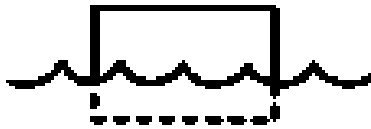
- Different matter **do NOT mix**

Buoyancy



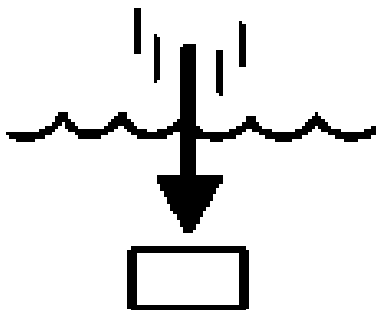
- Ability to float in something

Float



- Drift or sit on or above the surface of something

Sink



- Move downwards or under the surface of a liquid

Explosive



- Can explode if heated or punctured

Corrosive



- Can burn skin or eyes

Flammable



- Can catch fire

Poison



- Can cause illness or death if you eat, drink, lick or smell it