

Grade 7 Science Matter Quiz 2 (Outline answers)

Solute- substance that dissolves in a solvent Ex) The sugar (In the water sugar mixture)

Solvent – Dissolves a solute Ex) The Water (In the water sugar mixture)

Solution- a mixture of 2 or more materials that come together to form one set of properties that blend together

Solubility – ability to dissolve in a solvent

Hardness- ability to scratch

Ductility – ability to pull into a wire

Malleability- ability to bend

Boiling point- Temperature a substance changes from liquid to gas

Melting point- Temperature where a substance changes from solid to liquid

Temperature – measure of hotness or coldness

Volume – amount of space a substance occupies

Mass – the amount of matter an object has measured in g or Kg

Density – the amount of mass per unit volume (How crowded the particles are)

(Ice particles are close together and liquid particles are spread out and gas particles are spread even further apart...so solid is more dense than liquid which is more dense than a gas)

As temperature increases the density decreases

The density of the water vapor is less than the density of the liquid water.

Melting - is a physical change from solid to liquid

Vaporization – Is a physical change from liquid to gas

Freezing – Physical change from liquid to solid

Colour -black, white, yellow, ...

Taste – sweet, salty, spicy, ...

Clarity- cloudy, see through, clear

Lustre- the shininess, dull

Weight - force of gravity exerted on an object (Weight changes depending on the planet)