

11–14 years

Particle model

Unscrambling definitions

Unscrambled definitions

A **solute** is a substance that dissolves in a solvent to make a solution.

A **solvent** is a substance that dissolves the solute to make a solution.

A **solution** is the mixture produced when a solute dissolves in a solvent.

Condense is when a gas is cooled, energy is transferred from the gas to the gas' surroundings and the gas turns into a liquid.

Evaporate is when the surface of a liquid gains energy and turns into a gas; this can happen below the boiling point.

Boil is when a liquid is heated, gains energy and turns into a gas, at its boiling point.

Connection completion: completed sentences

Evaporation and boiling **both** involve liquids changing state to become gases. **However**, boiling happens to all of a liquid at once and occurs only when the liquid reaches its boiling point. **Whereas**, evaporation can happen below the boiling point of a liquid, but only to the particles at the surface of the liquid.