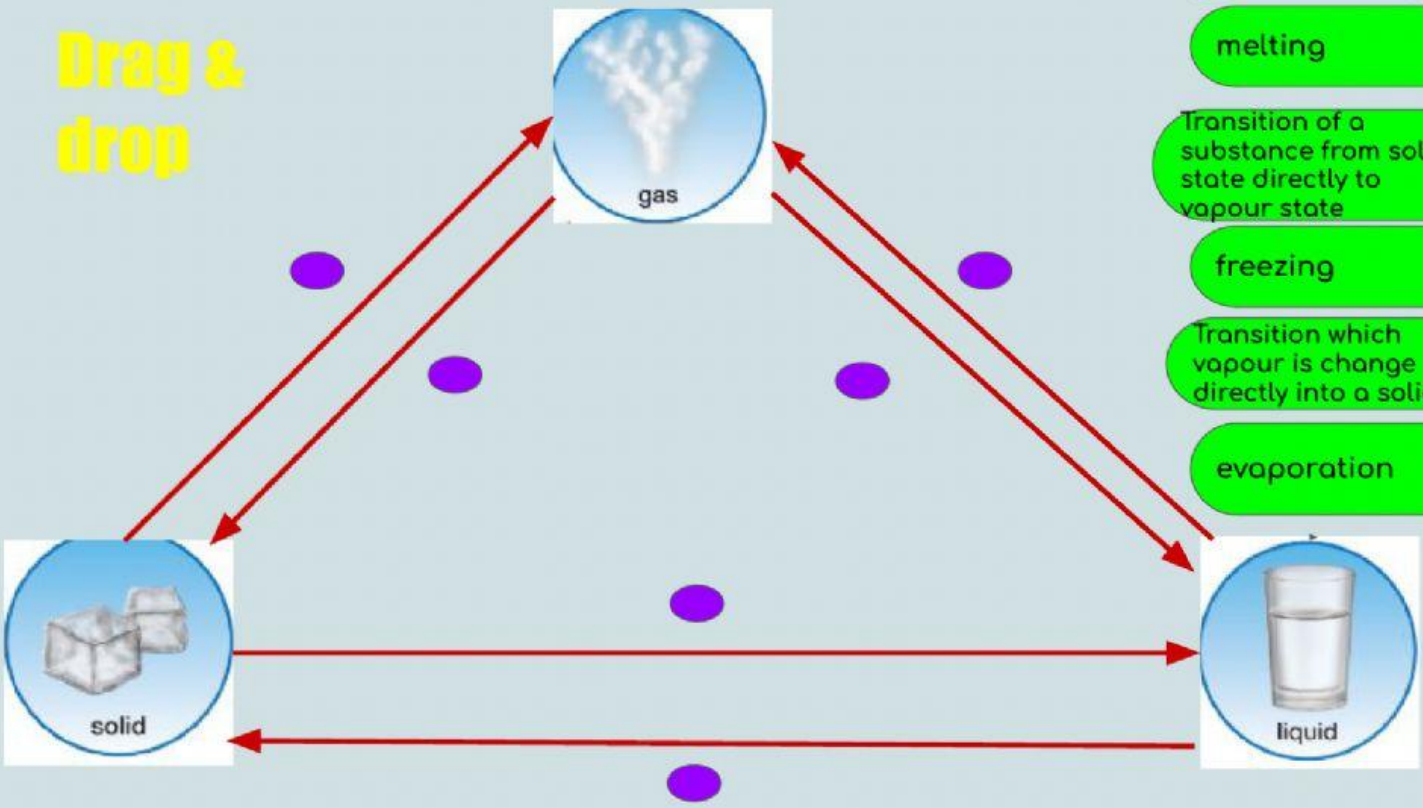
Phase changes of water

Drag & drop



- condensation
- melting
- Transition of a substance from solid state directly to vapour state
- freezing
- Transition which vapour is change directly into a solid
- evaporation

The effect of evaporation on water resources

Complete the blanks

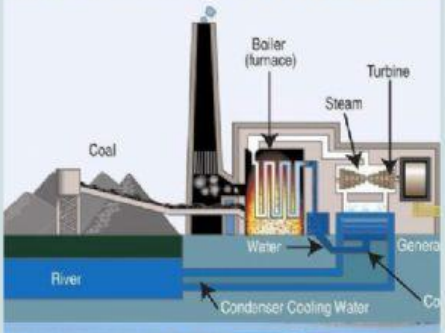
Water evaporates more quickly from _____, _____ surfaces of water. This happens because _____ water is exposed to the _____ & the _____ effect of the wind.

Drag & drop

Surface tension of water

- molecules
- air
- water
- surface tension
- elastic layer
- surface
- Water surface

Water has a high _____. Water _____ attract one another strongly. The _____ molecules at _____ are more strongly attracted to each other than to the _____ molecules above them. This cause the _____ to behave as if it is a thin _____.



Electricity generated by moving water. No air pollution is produced

Its been used for centuries to grind grain as the flowing water turns the wheel.

Gas / coal is burned to heat water to make steam.The steam in return drive a turbine which generates electrucity

Join the pictures with their correct definitions

Solvent	Solute	Solution

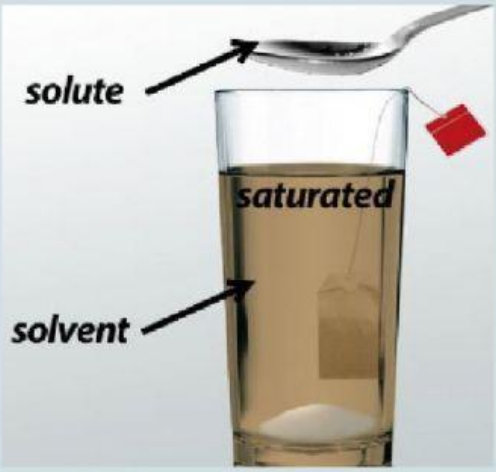
Made of 2/ more substances mixed together/ with the right solvent

The substances that dissolve in a solvent

Drag & Drop

Liquid in which a solute/ other substances can be dissolved

Factors affecting the rate of dissolving



Choose the correct answer.

- When you heat a _____ solution, the solvent & solute particles move around more quickly & spread further apart. This means the solution is now _____.
- _____ is a solution that contains the maximum amount of dissolved _____ that the solvent can hold at a certain temperature.

Saturated solutions

- ★ If a lot of a substance can dissolve in a solvent, the substance is _____.
- ★ The _____ of a substance is the amount of that substance that will _____in a certain amount of a solvent.
- ★ _____ means that none of the substance dissolves in a solvent

Choose the correct answer

Solubility

Crystallisation

- During crystallisation, the _____ turns into solid particles called _____.
- Crystallisation can be achieved by _____ a solution so that the solvent _____, leaving crystals of the _____ behind.

- _____ can be separated from the solvent of a _____ by the process of _____

Complete the blanks