

Evaporation – Red Chilli

The Science of Evaporation

Evaporation is a type of phase change, where a liquid becomes a gas.

It occurs when particles in a liquid gain enough energy to escape into the air.

This usually happens at the surface of the liquid and is faster when:

- The temperature is high
- The air is dry (low humidity)
- There is wind or moving air

Evaporation plays a key role in the water cycle, helping water move from rivers, lakes, and oceans into the atmosphere.

Example:

Sweat cools your body because it evaporates, taking heat away from your skin.

Key Terms: evaporation, phase change, particles, energy, humidity