

Chemistry > Big idea CPS: Particles and structure > Topic CPS5: Evaporation

Progression toolkit: Explaining evaporation

Learning focus	Evaporation takes place at any temperature between melting and boiling point.				
As students' conceptual understanding progresses they can:	Recognise that evaporation occurs in different liquids, not just water.	Predict that evaporation will occur in liquids with a temperature that is less than or greater than that of the surroundings.	Describe where in a liquid evaporation takes place.	Distinguish boiling from evaporation.	Use the idea that particles have a range of energies to explain how evaporation occurs below boiling point.
Diagnostic questions	Different liquids	Evaporating temperatures	Location of evaporation	Boiling or evaporation?	Evaporating particles
Response activities		Garden problem	Surface area	Observations	Evaporation rate

Key:

P Prior understanding from earlier stages of learning

Bridge to later stages of learning



