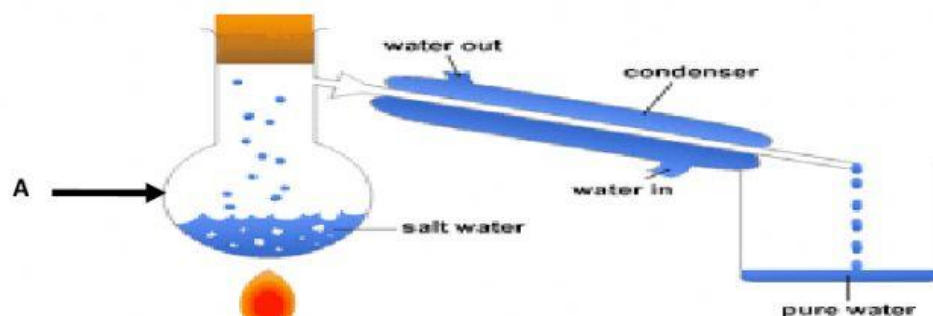


A student took a sample of seawater and heats it up using the apparatus shown.



(a) State the name of the process shown in the diagram above.

_____ (1pts)

(b) Name the piece of apparatus labelled A. _____ (1 pts)

(c) Identify the changes of state taking place in the diagram

_____ (2 pts)

(d) Explain what happens in the condenser. _____

_____ (2 pts)

e) Pure water collects in the beaker (2 pts)

i. Describe the taste of pure water

ii.

ii. State the boiling point of water on the Fahrenheit and Celsius scale.

(f) Seawater is a solution of salt and water, Name the **solute** and **solvent** in seawater.

Solute _____

Solvent _____ (2 pts)