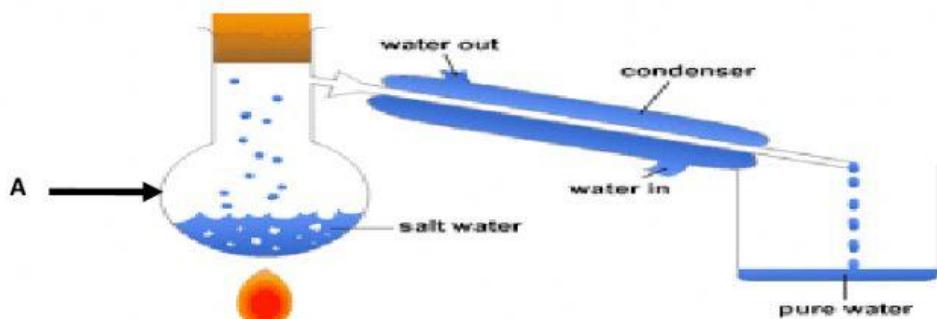


A student took a sample of seawater and heats it up using the apparatus shown.



(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)