

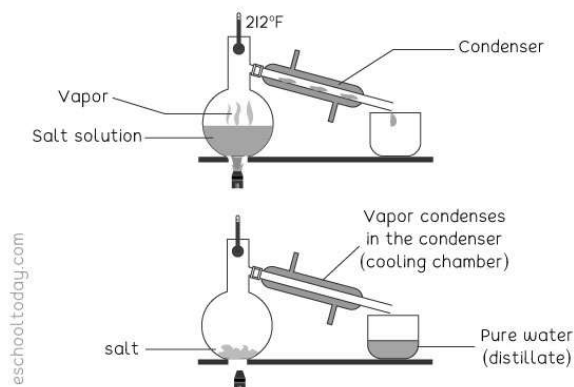
In the first section, decide if the statement is true or false.

- a. In filtration, the filtrate is always a pure liquid.
- b. Drinking water can only be obtained from seawater by distillation.
- c. The fractional distillation of miscible liquids is only possible if the liquids have different boiling points.
- d. Paper chromatography is a physical method for separating mixtures.
- e. Mixtures have fixed melting and boiling points.

A.
B.
C.
D.
E.

You are asked to separate sand and sodium chloride(table salt).

Name the methods needed to carry out the procedure. Explain how you would carry out the procedure to obtain pure sand and sodium chloride back.



Explain how you would determine that the liquid collected is a pure substance?

