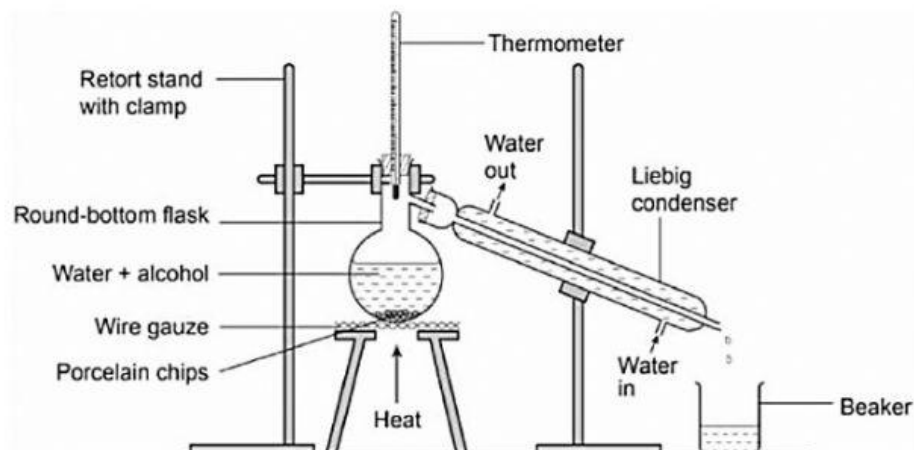


PART 1

1. The diagram below shows an experiment to separate a mixture using distillation method.
The boiling point of alcohol is 78°C and water is 100°C .



- a) At what temperature does the liquid start to flow out of the condenser?
..... $^{\circ}\text{C}$
- b) What is this liquid?
.....
- c) At what temperature will liquid starts to flow out of the condenser again?
..... $^{\circ}\text{C}$
- d) What is this liquid?
.....
- e) What is the use of the porcelain/boiling chips in this experiment?
.....
- f) Why is it possible to separate water and alcohol in a mixture?
.....