

## C2.1.5 Distillation

### **Previous knowledge:**

A solvent is a liquid that dissolves another substance

A solute is a substance that dissolves

The boiling point is the temperature at which a liquid turns into a gas

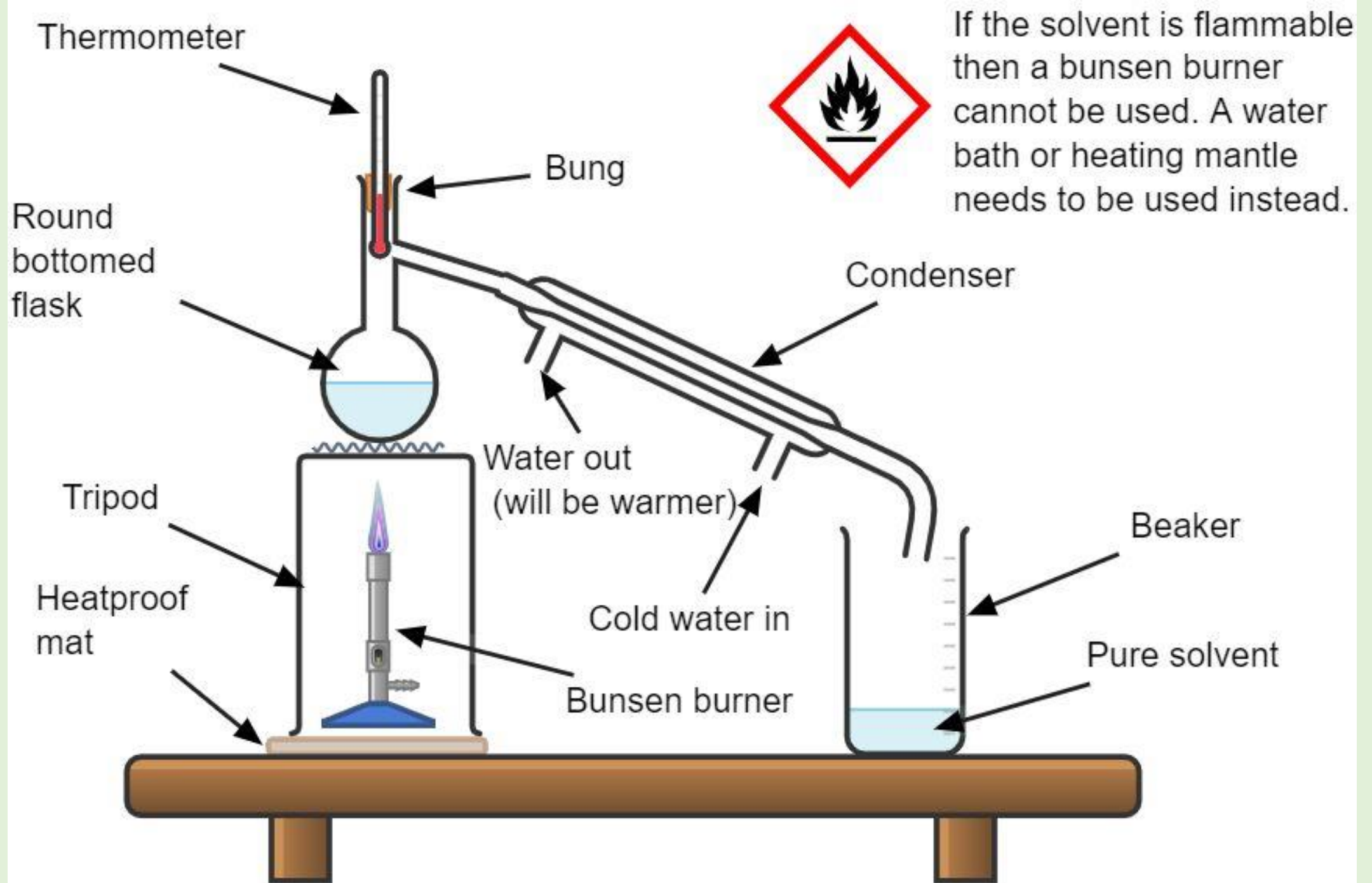
# Lesson Objectives

- Describe the process of distillation
- Explain the difference between simple and fractional distillation

## **Simple distillation**

Separates a solute from a solvent

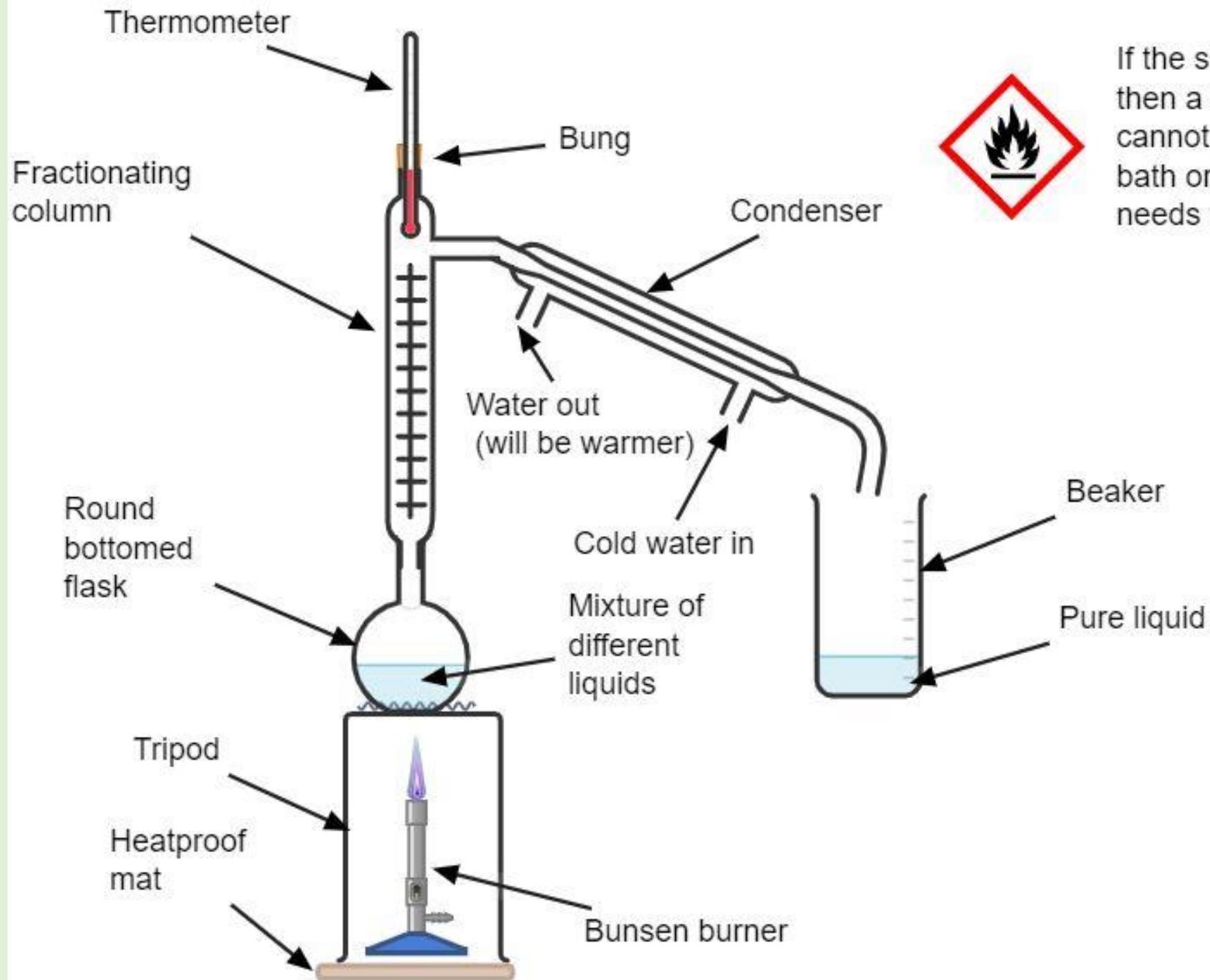
Works because there is a large difference in boiling points



## **Fractional distillation**

Separates a two liquids

Works because they have different boiling points



If the solvent is flammable then a bunsen burner cannot be used. A water bath or heating mantle needs to be used instead.