

# Alcohols

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**This task is about sorting alcohols by particle size and boiling point.**

- An ethanol particle is larger than a methanol particle.
- An ethanol particle is smaller than a propan-1-ol particle.
- Ethanol has a higher boiling point than methanol.
- Propan-1-ol has a higher boiling point than ethanol.

Use this information to answer the following questions.

a) Place in order ethanol, methanol, and propan-1-ol from the **smallest** to **largest** particle.

ethanol    propan-1-ol    methanol

b) Place in order the three chemicals from the **lowest** boiling point to the **highest** boiling point.

ethanol    propan-1-ol    methanol

c) What conclusion can you draw about the relationship between particle size and boiling point?