Straight-chain Alkanes: Melting/boiling points vs Molecular Mass

- Temperature vs Molecular Mass
- mp (°C) vs bp (°C)
Boiling point and chain branching

![Graph showing the relationship between molecular mass and boiling point for substances with different levels of branching. The graph includes data points for unbranched, one-branch, and two-branch molecules.](image-url)
Boiling point and chain branching

Boiling Point (Celsius) vs Molecular Mass

- Unbranched
- One branch
- Two branches
- Cyclic
- Cycle-one branch
Boiling point vs. MW for alkanes and alkyl halides