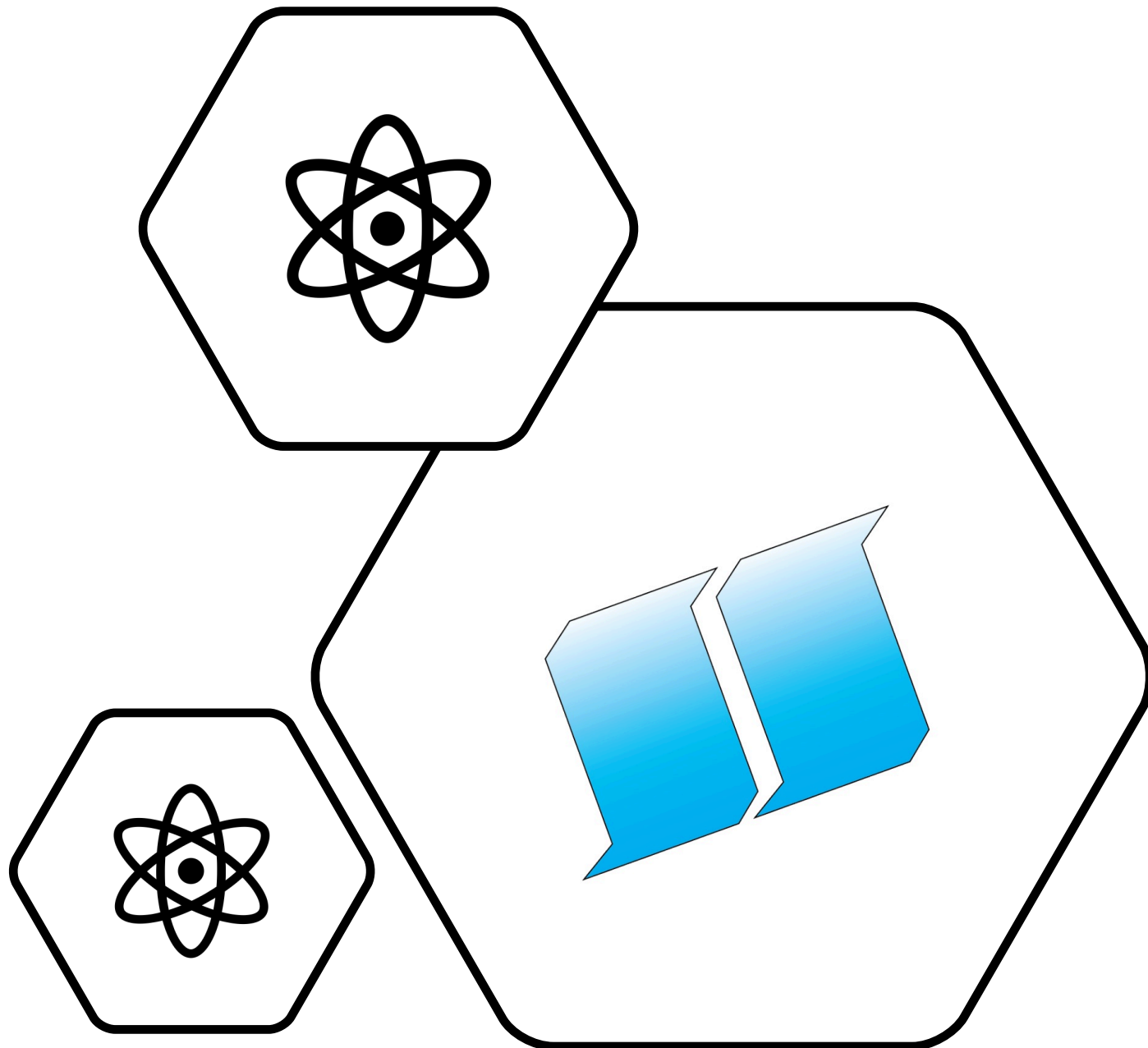


Paper 1 (physics)

Thermal Insulation



Paper 1 - Thermal Insulation

(physics only)

- boiling tubes and rack
- thermometer
- stopwatch
- kettle
- thermometers (in bungs)
- sheets of insulating material

1. Cover boiling tubes in different insulations
2. Add boiling water to tubes
3. Place thermometers in water
4. Make sure top is sealed to prevent evaporation
5. Wait for highest temperature reached
6. Record temperature as it falls at regular time intervals
7. Repeat with different insulating materials
8. Plot graph of temperature against time

Safety: Care with hot heater

