

Enthalpy

Pre-lesson assignment- textbook page 122-124

Define the following terms

- Enthalpy
- System
- Surroundings
- Enthalpy Change
- Exothermic
- Endothermic
- Enthalpy Profile Diagram
- Activation Energy (E_a)
- Conservation of Energy

Make notes on enthalpy changes

Use the following questions as guidance

1. Use the terms above to explain why
 - a. Exothermic reactions give out heat to their surroundings.
 - b. Endothermic reactions take in heat from their surroundings.
 - c. Some reactions do not start until you heat up the reactants.
2. Draw an enthalpy profile diagram for...
 - a. The combustion of ethanol.
 - b. Neutralisation of acid with alkali.
 - c. Thermal decomposition.