Enthalpy of Combustion

1. Methanol, is burned and the heat energy given out increased the temperature of 100g of water from 22 °C to 32 °C. Calculate the heat energy released in the experiment.

2. Methane was burned and the energy given out raised the temperature of 200 cm^3 of water from 18 °C to 28.6 °C. Calculate the heat energy released in the experiment.

3 Ethanol, was burned and the heat given out raised the temperature of 500 cm^3 of water by 3.5°C. Calculate the heat energy released in the experiment.

4. Ethane was burned and the heat given out used to raise the temperature of 100 cm3 of water by 21 °C. Calculate the heat energy released in the experiment.