Thermochemistry — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Clear glass of water on a plain white surface. Water of mass 150 grams warms by 10 degrees Celsius. Using a specific heat of 4.2, the heat in joules is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **Water of mass 100 grams warms by 15 degrees Celsius. Using a specific heat of 4.2, the heat in joules is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A reaction releases 8400 joules to 200 grams of water. Using a specific heat of 4.2, the temperature change in degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Bond breaking requires 500 kilojoules and bond forming releases 400 kilojoules. The net enthalpy change in kilojoules is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A fuel releases 3000 kilojoules per mole and 2 moles burn. The energy released in kilojoules is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 6300
2. 6300
3. 10
4. 100
5. 6000

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