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In an experiment, you added 0.5 grams of strontium metal to 100.0 grams of water. The temperature of the water increased from 20.0 °C to 25.0 °C. Use this information to answer the following questions:

Reaction: Sr + 2H2O 🡪 Sr(OH)2 + H2

1.) What was the ΔT for the reaction?

2.) How many moles of strontium reacted?

3.) What type of reaction is this and what will the sign be for ΔH?

4.) How much heat did the water gain/lose?

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