

4. How much heat in joules is lost when 12.4 g of $\text{H}_2\text{O}(\text{g})$ at $110.^\circ\text{C}$ are converted to liquid at 50°C ?
5. Calculate the energy required in kJ to bring 293 g of liquid water at 62.0°C to steam at 105.0°C .
6. A 23 g sample of ice at -20.0°C is heated to water vapor at 102°C . Calculate the amount of energy (in joules) required.