

Heat Design Problem

Design a scenario with an initial and final temperature that includes a phase change and requires a **heat transfer of exactly 1,000,000 J**

Specific Heat of Ice	2090 J kg ⁻¹ K ⁻¹
Specific Heat of Water	4180 J kg ⁻¹ K ⁻¹
Specific Heat of Steam	2000 J kg ⁻¹ K ⁻¹
Latent Heat of Fusion	334,000 J kg ⁻¹
Latent Heat of Vaporization	2,260,000 J kg ⁻¹

Record your values in the table below and show all calculations

Mass of H ₂ O	
Initial Temperature	
Final Temperature	