

Problem 1:

KP 1: Adequate Description of Each Process beyond what is stated (6)

KP 2: Adequate Comparison based on Descriptions (6)

KP 3: Correct Call and Justification based on Comparisons (8)

Problem 2:

KP 1: Adequate Description of Each Process beyond what is stated (6)

KP 2: Adequate Comparison based on Descriptions (6)

KP 3: Correct Call and Justification based on Comparison (8)

Problem 3:

KP 1: Heating Solid to Melting Temperature: $3.52 \times 10^8 \text{ J/m}^3$ (5)

KP 2: Melting the Solid: $1.30 \times 10^{10} \text{ J/m}^3$ (5)

KP 3: Heating Liquid to Pouring Temperature: $1.40 \times 10^8 \text{ J/m}^3$ (5)

KP 4: Correct Call (5)