

■ Using Formulas: Understanding the Main Ideas

find value for different specific heats in the Chapter

For each situation pictured below, calculate the missing quantity.

use : $Heat = (\Delta T) \cdot (mass) \cdot (specific\ heat)$

Copper wire

10g 80°C

Copper wire

10g 40°C

Heat lost = _____

2.

Water

700g

T = 25°C

Water

700g

T = 75°C

Heat gained = _____

3.

Glass 200g

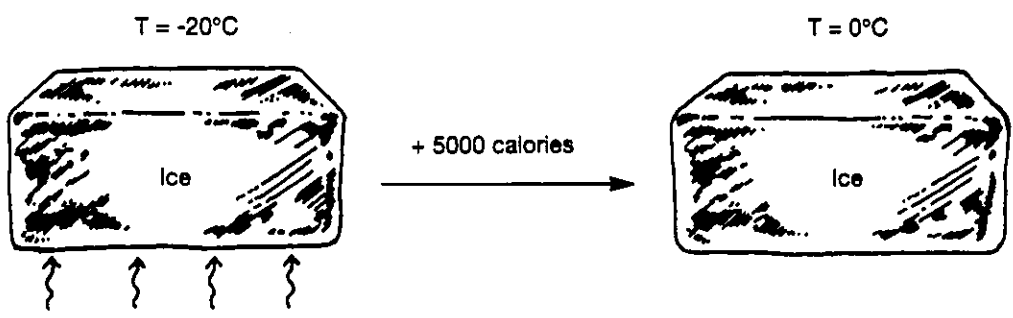
T = 150°C

Glass 200g

T = 25°C

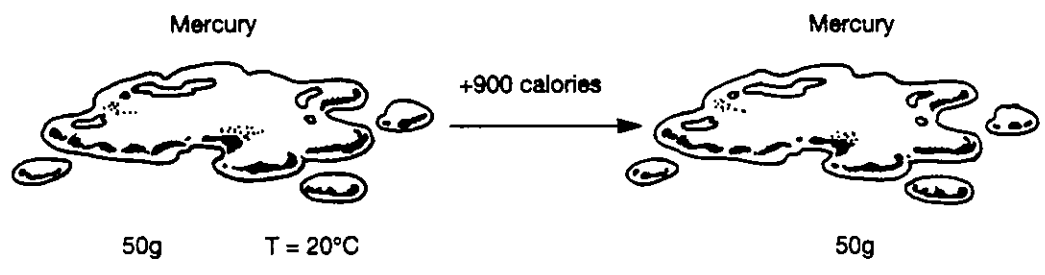
Heat lost = _____

4.



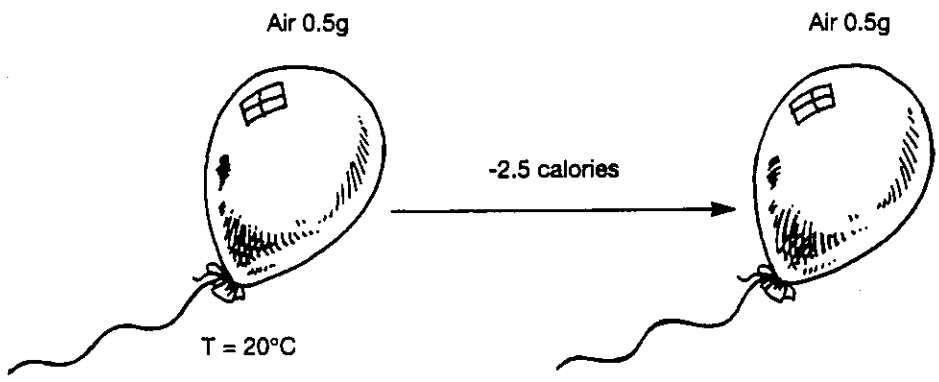
Mass of ice = _____

5.



$T =$ _____

6.



$T =$ _____