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Chapter 9 Assessment

Vocab # 1-7 pg 212

Problems (9.1) # 1-4 pg 213

- 1) heat
- 2) specific heat
- 3) heat transfer
- 4) thermal equilibrium
- 5) conduction
- 6) convection
- 7) thermal radiation

Problems # 1-4

1) 27,000 J

2) a) 20,920 J

b) 0 J

c) 20,920 J

d) 200 g

e) 25°C

3) 10,042 J

4) a) more thermal energy in Al than Au (gold)

b) beaker with Al (aluminum) warmer than beaker with Au (gold)

c) specific heat of Al is higher.

Aluminum will absorb more energy, retain more energy, and be able to transfer more energy to a cooler object.