

Name _____ Period _____ Date _____

Thermal Energy – Ch. 5

1. For each pair of substances, circle the substance with more thermal energy and explain why.
 - a. 500 g of water at 35°C vs. 500 g of water at 85°C

 - b. 500 g of water at 35°C vs. 250 g of water at 35°C

2. For each pair of substances, circle the substance that will take more energy to heat from 20°C to 100°C and explain why.
 - a. 30 g of water vs. 300 g of water

 - b. 500 g of iron vs. 500 g of silver

3. Explain why a can of soda from the refrigerator feels cold in your hand.

4. How much heat must be absorbed by a 500 g pot of water in order to raise the temperature

