

Name: _____ Date: _____

Adaptation Exploration

1. Do Steps 1–3 of the Task Card. **Predict:** Which will lose heat more quickly—the water with more surface area or the water with less surface area?

2. Record the water's temperature in each container every 10 minutes.

Time	Temperature of Water With More Surface Area	Temperature of Water With Less Surface Area
Start		
10 minutes		
20 minutes		
30 minutes		

3. How does the amount of surface area affect how fast or how slowly temperature changes?

If you want to hold on to heat when it's cold, is it better to have more or less surface area?

If you want to cool down quickly in hot temperatures, is it better to have more or less surface area?
