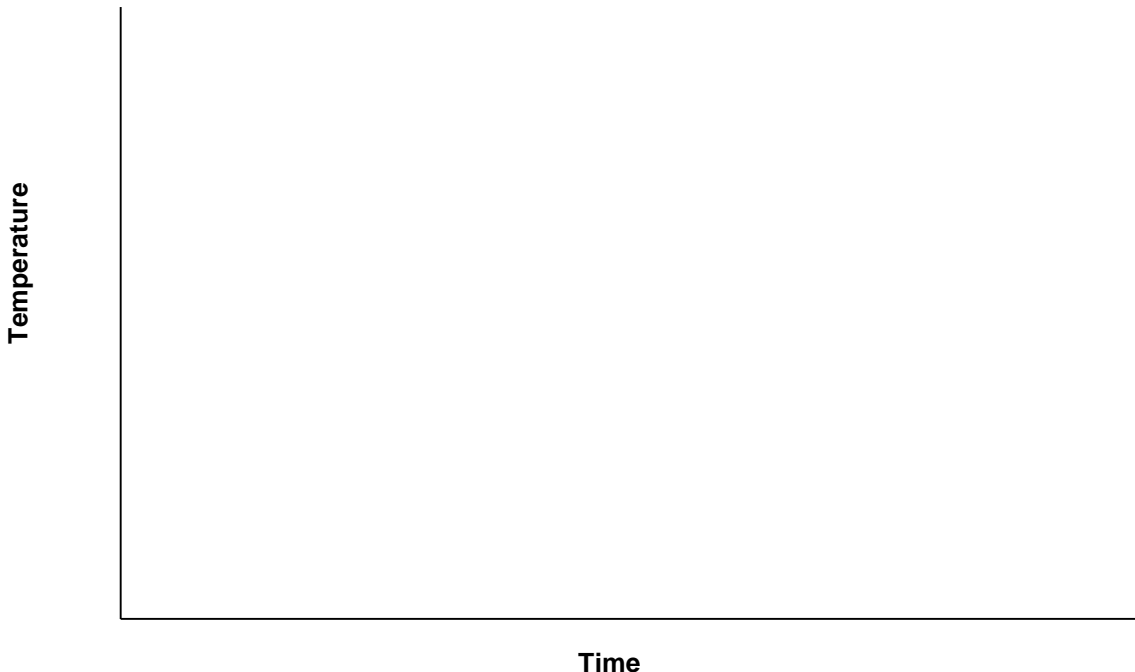


# Solar Water Heater Worksheet

**1. In the table below, record the water temperature as it moves through the solar water heater. Circle the ending temperature for each round.**

Time	Round 1	Round 2	Round 3	Round 4
START				
30 seconds				
1 minute				
1 minute, 30 secs				
2 minutes				
2 minutes, 30 secs				
3 minutes				
3 minutes, 30 secs				
4 minutes				

**2. In the space below, graph the temperature of the water as it was warmed in the solar hot water heater.**



**3. In the space below, draw a picture of your solar water heater.  
Label the parts.**

**4. Why did you paint the tubing for your solar heater black?**

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**5. How does lining the tube with foil help heat the water in your solar water heater?**

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**6. What else might engineers consider when designing a water heater?**

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