

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Hot or Not Activity – Temperature Conversion Worksheet



### Questions

1. What is the temperature at which the liquid reached the top of the straw (or the highest temperature you were able to get without the bottle overflowing)?  
\_\_\_\_\_

2. Convert the following numbers from degrees Fahrenheit to degrees Celsius.

Example: **40° F**  
 $40 - 32 = 8$   
 $8 \div 1.8 = 4.4° C$

- a. 0° F \_\_\_\_\_ °C  
b. 32° F (freezing point) \_\_\_\_\_ °C  
c. 70° F (room temperature) \_\_\_\_\_ °C  
d. 98.6° F (body temperature) \_\_\_\_\_ °C  
e. 100° F \_\_\_\_\_ °C  
f. 212° F (boiling point) \_\_\_\_\_ °C

3. Convert the following numbers from degrees Celsius to degrees Fahrenheit.

Example: **40° C**  
 $40 \times 1.8 = 72$   
 $72 + 32 = 104° F$

- a. 0° C (freezing point) \_\_\_\_\_ °F  
b. 32° C \_\_\_\_\_ °F  
c. 70° C \_\_\_\_\_ °F  
d. 98.6° C \_\_\_\_\_ °F  
e. 100° C (boiling point) \_\_\_\_\_ °F  
f. 212° C \_\_\_\_\_ °F