

# Global Precipitation Measurement Mission

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

## Climate Change Inquiry Labs – Student Capture Sheet

Objective: *Explore factors that are affected by climate change and the consequences they might have.*

What have you heard about climate change? \_\_\_\_\_  
\_\_\_\_\_

|  |  |
|--|--|
| <p>Topic: _____</p> <p>What is happening? (Include evidence.) _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Why is it happening? (Include evidence.) _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>One thing you like about the poster: _____</p> <p>_____</p> <p>One suggestion to improve the poster: _____</p> <p>_____</p> | <p>Topic: _____</p> <p>What is happening? (Include evidence.) _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Why is it happening? (Include evidence.) _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>One thing you like about the poster: _____</p> <p>_____</p> <p>One suggestion to improve the poster: _____</p> <p>_____</p> |
| <p>Topic: _____</p> <p>What is happening? (Include evidence.) _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Why is it happening? (Include evidence.) _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>One thing you like about the poster: _____</p> <p>_____</p> <p>One suggestion to improve the poster: _____</p> <p>_____</p> | <p>Other thoughts or notes from the discussion:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>   |

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NASA Video: “A Warming World” (<http://www.youtube.com/watch?v=fv11W500DeM>)

1. What has been special about the last decade on Earth? \_\_\_\_\_  
\_\_\_\_\_
2. How much does the sun’s cycle influence overall temperature on Earth? \_\_\_\_\_  
\_\_\_\_\_
3. How does reflection from surfaces affect the temperature on Earth? \_\_\_\_\_  
\_\_\_\_\_
4. Why is the effect of water vapor on climate change so difficult to predict? \_\_\_\_\_  
\_\_\_\_\_
5. What is the second most common greenhouse gas, and why is it significant in terms of the effect of humans on climate change? \_\_\_\_\_  
\_\_\_\_\_

NASA Video: “Melting Ice, Rising Seas” (<http://www.youtube.com/watch?v=VEuEggdJXHg>)

1. What two things happen to the ocean as the planet heats up? \_\_\_\_\_  
\_\_\_\_\_
2. How much of Earth’s freshwater is frozen in the world’s ice fields? If it all melted (which is not expected), how much would sea level rise? \_\_\_\_\_  
\_\_\_\_\_
3. What are some effects that might occur if the one-meter sea level rise predicted by many scientists happens? \_\_\_\_\_  
\_\_\_\_\_