

## Lesson 8: Where is the Best Place to Measure?

### Engagement Questions:

What is your team's scientific or technological question? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Why is it important to select a good landing site for Curiosity? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

### Exploration Activity:

Explore Gale Crater and complete the chart:

<b>Weather/ Climate</b>	
<b>Terrain</b>	

### Exploration:

<b>Controls</b>	
<b>Variables</b>	

Based on what you have learned about Gale Crater, name 5 reasons why it was a good place for Curiosity to land.

1. \_\_\_\_\_  
\_\_\_\_\_
2. \_\_\_\_\_  
\_\_\_\_\_
3. \_\_\_\_\_  
\_\_\_\_\_
4. \_\_\_\_\_  
\_\_\_\_\_
5. \_\_\_\_\_  
\_\_\_\_\_

### Exploration:

Once you have completed your research and decided on a landing site for your rover, complete the following details:

Chosen Landing Site \_\_\_\_\_

Exact Location on Mars \_\_\_\_\_

Description of terrain at this location \_\_\_\_\_

\_\_\_\_\_

Description of atmosphere at this location \_\_\_\_\_

\_\_\_\_\_

### Explanation:

Now that you have gathered the important details of your team's landing site, record that information on a piece of chart paper.

Along with the landing site, exact location on Mars, description of terrain and atmosphere, be sure to include three reasons why your team chose this site and how this landing site will help your team answer your specific scientific question.

### Evaluation:

How did you select the place for your Mars rover mission? Describe how your selected site meets the needs of your question. \_\_\_\_\_

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