

## Lesson 10: Landing, Moving and Surviving

### Engagement Questions:

Different ways a rover could land on Mars:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

	Ways to Land a Rover on Mars		
Landing Strategy			
Rover Size			
Landing Speed			

### Exploration Activity:

Chosen Landing Strategy: \_\_\_\_\_

How My Strategy Can be Successful	How My Strategy Can be Problematic

Continue your notes on the next page.

**Exploration Cont.:**

How My Strategy Can be Successful	How My Strategy Can be Problematic

After deliberating with my team, the Landing Strategy we decided to use is: \_\_\_\_\_  
\_\_\_\_\_

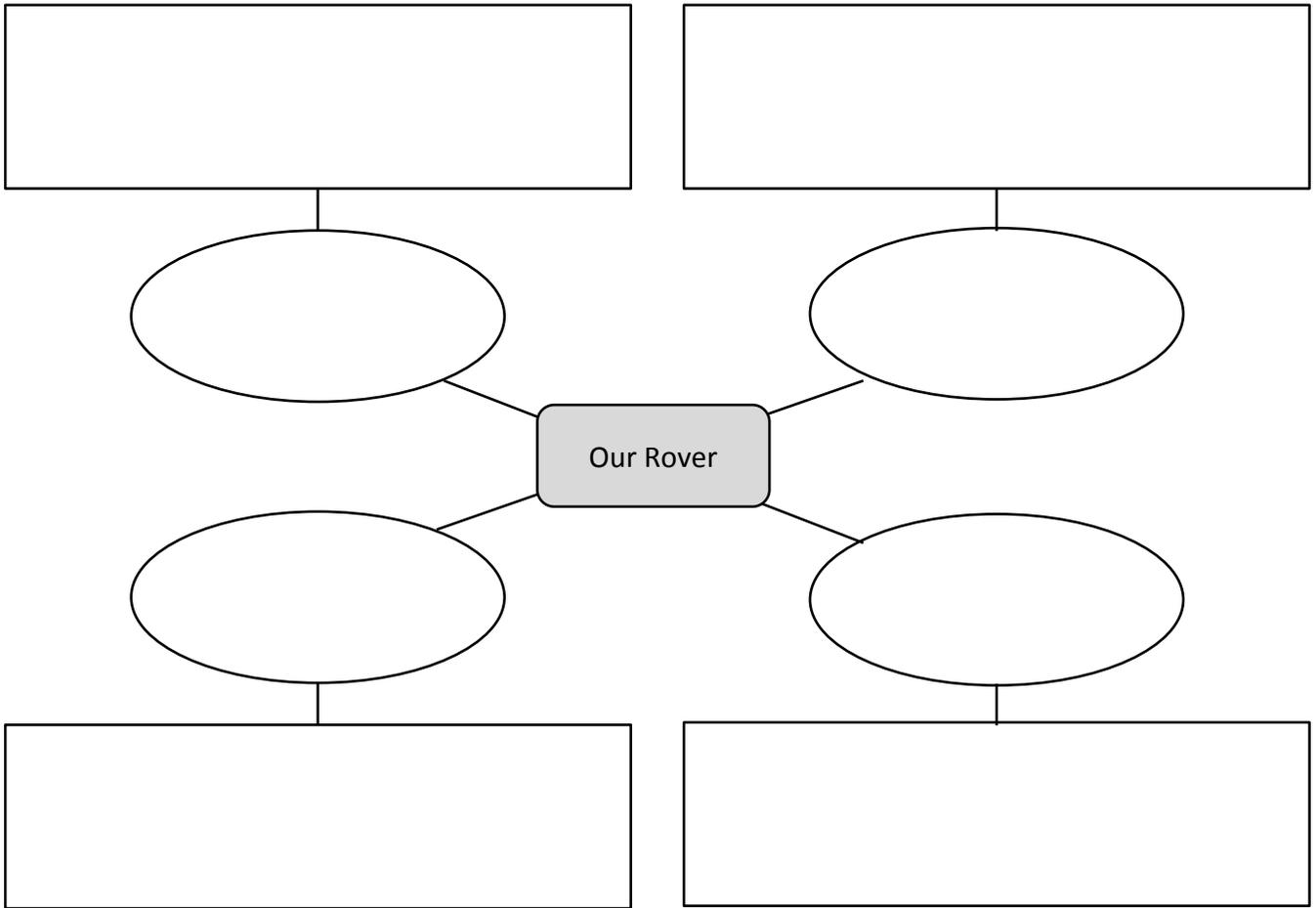
We picked this landing strategy because:

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

Next, work with your team to decide how your rover will move around once it lands on Mars. Be specific. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Exploration Cont.:**

How will your rover survive the harsh conditions on Mars? In the circles, identify the conditions your rover may encounter. In the rectangles, tell how your rover will react and what features and criteria you designed to help the rover survive.



**Evaluation:**

Why is the method you chose for landing your rover on Mars the best one for your mission? \_\_\_\_\_

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