



Post-Mission Discussion and/or Writing Prompts

Comprehension & Explanation (Informative Writing)

- What was the big science idea behind this Mission? Explain it in your own words.
- Which part of this Mission helped you understand this science concept the most? Why?
- What evidence from the Mission supports your answer to the big question or challenge?
- Write a summary of the Mission. Be sure to include the problem, what you did to solve it, and what you learned.
- Choose one science concept from the Mission and write an informative paragraph explaining it to a younger student.
- Explain one new fact or skill you learned today and why it matters.
- Write a letter to another class or a scientist explaining what you learned from the Mission and why it is important.

Opinion & Reasoning (Argument Writing)

- Use evidence from the Mission to write an argument supporting one of the decisions your team made today.
- If you could replay the Mission, what would you do differently and why?
- Which choice during today's Mission was the most important to your team's success? Defend your answer with evidence.
- Did the Mission end how you expected it to? Write an opinion paragraph explaining why or why not.
- Which science concept from the Mission do you think is most important for students your age to learn? Support your opinion with reasons.
- Write a short editorial (like in a newspaper) about the problem in the Mission. Persuade others to take action or make a specific decision.
- Imagine two characters from the Mission disagree on what to do. Write both sides of the argument, then explain which side you agree with and why.
- Was this Mission more about teamwork or knowledge? Write an argument defending your answer.
- Write a persuasive letter to your principal or teacher explaining why more Missions should (or should not) be added to all science classes.
- Do you think Missions are better than reading a science article or textbook? Write an opinion piece comparing the two and defending your opinion.

Creativity & Role Playing (Narrative Writing)

- Imagine you are one of the characters in the Mission. Write a diary entry from their point of view describing what happened, how you felt, and what you learned.



- Pretend you are a journalist reporting on the Mission. Write a short article or script describing what happened, who was involved, and how the Mission ended.
- Imagine you are on the Mission. Write a postcard to your family telling them about the challenge you faced and what you learned. Include a drawing on the front of the postcard.
- Rewrite the ending of the Mission from a character's perspective. What could have happened if you had made a different choice?
- Write an interview where a reporter asks you (as a character) about what you did, how you felt, and what you learned during the Mission.
- Write a poem from your character's point of view, capturing emotions, discoveries, or challenges from the Mission.
- Take the role of an expert from the Mission. Write a response to a community member's question about the problem you solved.

Collaboration & Reflection

- How did working with your team help you understand the science topic better?
- What challenges did your team face, and how did you solve them together?
How did your team make decisions during the Mission? Was everyone included?
- Think about one time your team disagreed. How did you work it out?
- What is one thing you could do differently next time to help your team succeed?
- How did listening to your classmates' ideas change your own thinking?
- Was it easier or harder to learn science when working in a team? Explain why.
- What advice would you give to another class about how to collaborate successfully on a Mission?
- How did your team show resilience and/or creativity during the Mission?

Connections & Extensions

- Compare the Mission challenge to a real-world situation you've learned about in class. How are they similar? How are they different?
- How does what you learned in the Mission connect to something happening in the world right now?
- Connect the science topic from the Mission to another subject (math, reading, social studies, art). How are they related?
- Describe how the skills you used in the Mission (teamwork, problem-solving, or creativity) could help you in your everyday life.
- Imagine you are a scientist continuing the work from this Mission. What would your next investigation be, and why?
- How does the Mission connect to something you've experienced outside of school? (e.g., at home, in nature, or in your community)
- What career could use the science you learned in this Mission? Explain how.