

# Worksheet: From the Earth to the Moon

NAME:

"How to make that first exploratory leap into the lifeless void of space"

1. What do you think this statement means? What sense do you get about the challenges that NASA was facing?
2. Using the significance of "a Red Moon," why did the US believe at first that the USSR would beat them to the moon and why that was a threat?

## Freedom 7 - Shepard

3. What does "jettison" mean? Why are parts of the spacecraft jettisoned?
4. As the spacecraft is "turning around" what does Shepard feel? How do they depict this?
5. What does "retro" mean? What happens during the retrofire? What does that cause the spacecraft to do?
6. During the reentry, what do we see happening on the outside of the spacecraft? Why do you think that is?
7. What is Shepard experiencing inside the spacecraft as he is reentering? Why is the significance of this?
8. What are the five things that are needed to be accomplished and perfected in space before getting to the moon?
9. What was the next thing that USSR accomplished before the US during the space race?

Gemini 4 - White, McDivitt

10. What was accomplished by the Gemini 4 mission?

11. What were the scientific difficulties in accomplishing this?

Gemini 8 - Armstrong, Scott

12. What was accomplished by the Gemini 8 mission?

13. Why is the rotation of Gemini 8 so dangerous? What would happen to the astronauts?

Gemini 12 - Lovell, Aldrin

14. What was accomplished by the Gemini 12 mission?

15. Why were these accomplishments so important in the space race?