

**From the Earth to the Moon**  
**Part 7: "Galileo Was Right"**

Name \_\_\_\_\_  
Date \_\_\_\_\_ Pd. \_\_\_\_\_

1. Listen carefully to Tom Hanks in the beginning segment. List at least 3 of the skills he names that astronauts must excel in other than being pilots and explain why they must possess them (you may need to watch the whole story to devise an explanation!).
2. What is the purpose of the "Dead Cat Story" that Dr. Silver tells his class of astronauts?
3. Describe each of the 3 hypotheses for the origin of the moon that Dr. Silver explains.  
The "daughter" hypothesis-  
  
The "sister" hypothesis-  
  
The "stray asteroid" hypothesis-
4. Why is the Command Module Pilot, Alfred Worden, trained separately by Farouk El-Baz, a geologist who specializes in aerial observations?
5. With walkie-talkies, what important skill does Dr. Silver teach the astronauts?
6. Why does the landing committee decide on Hadley Rill in the Apennine Mountains as the mission's landing site?
7. Why was the search for a sample of orthoclase so important to Dr. Silver?
8. Why does the hammer and feather experiment Dave Scott performs have to be done on the moon to work?