



## TEACHER'S KEY

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class: \_\_\_\_\_

### Questions for 'The NASA Manned Spacecraft Center: A National Resource'

**1. What year does the film show construction starting on the Manned Spacecraft Center?**

1962

**2. Where is the Manned Spacecraft Center located?**

22 miles Southeast of Houston, Texas

**3. According to the video, the research, development, manufacturing, and testing of technologies used to land men on the moon would last for years and involve about how many people?**

300,000

**4. What does NASA stand for?**

National Aeronautics and Space Administration

**5. What are some of the reasons the video gives for selecting the site by Clear Lake?**

- Year round climate to allow for outdoor training and testing
- Adjacent industrial plants and personnel
- One of the nation's three largest ports and waterborne transportation facilities
- Progressive educational institutions

**6. How many people work at the Manned Spacecraft Center at this time?**

About 5000 people

**7. When did the Space Center open?**

1964

**8. What are the names of some of the space programs that were coordinated through the Manned Spacecraft Center?**

Gemini, Apollo, Mercury

**9. What is the main responsibility of the Flight Crew Operations unit?**

Selection and training of astronauts for current and future space missions

**10. Compared to the Earth's gravity, what is the gravity that astronauts will find on the Moon?**

1/6

**11. Name some of the academic subjects that astronauts review at the Manned Spacecraft Center.**

Propulsion systems, medical aspects of space flight, aerodynamics and space physics, computer theory and use, astronomy, communications, geology, operations of specific missions, operational training

**12. What does the Center design around the astronauts?**

Spacecraft, space suits, and life support systems

**13. What is the purpose of the Space Simulation Laboratory?**

It is used to test complete spacecraft in environments like that of outer space and the Moon's surface, astronaut training, and the development and testing of space suits and personal life support equipment.

**14. The narrator states that advanced configurations of the Apollo Space Module may be designed to stay in space for up to how long?**

5 years

**15. Mission Control assures what for each mission?**

Accuracy, safety, and success

**16. The Manned Space Center in Clear Lake, Texas played a key role in the national space program. Name an important or interesting job that was undertaken at the Manned Space Center and explain why you think it is important.**

**\*\*Student generated answer\*\***

**17. What technologies do you think need to be developed to aid space travel in the future?**

**\*\*Student generated answer\*\***