

# **The Curator's Coloring and Activity Book**

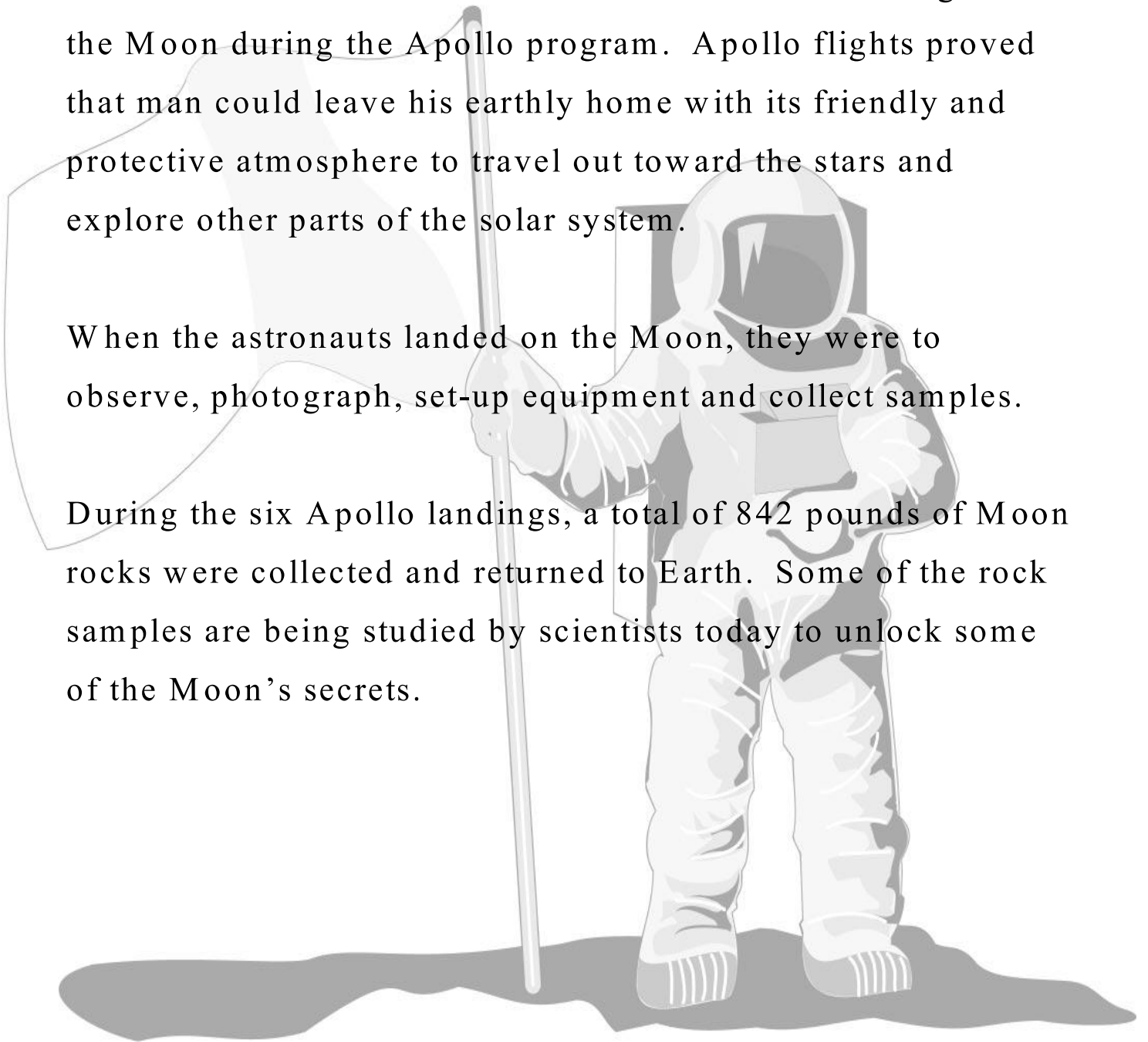


# The Moon

Man left the planet Earth in 1969 to fly to its nearest neighbor, the Moon. The United States made six manned landings on the Moon during the Apollo program. Apollo flights proved that man could leave his earthly home with its friendly and protective atmosphere to travel out toward the stars and explore other parts of the solar system.

When the astronauts landed on the Moon, they were to observe, photograph, set-up equipment and collect samples.

During the six Apollo landings, a total of 842 pounds of Moon rocks were collected and returned to Earth. Some of the rock samples are being studied by scientists today to unlock some of the Moon's secrets.



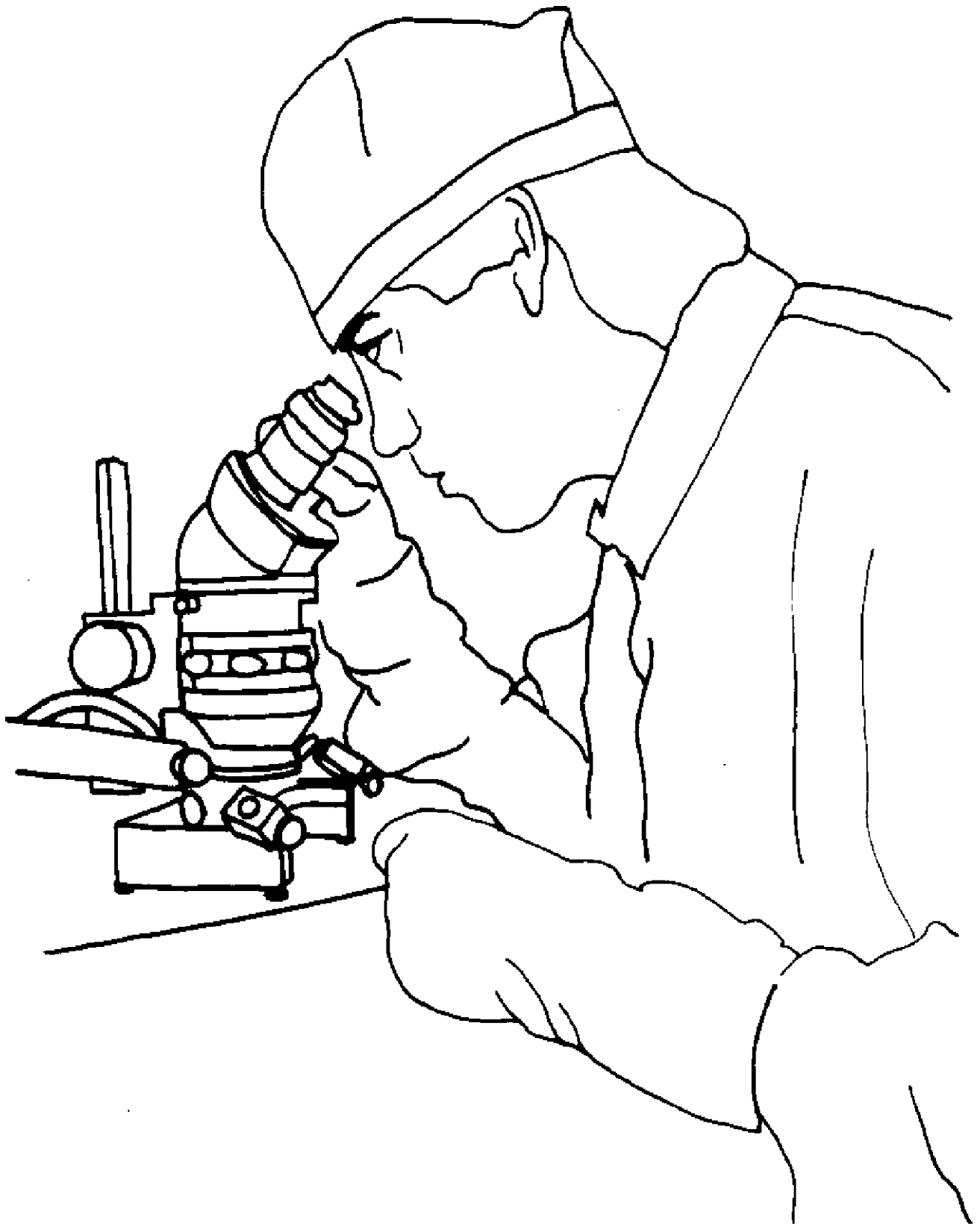
# Moon Find-A-Word

S A T E L L I T E A  
U B O A X M A L M B  
N T Q R P O P S E A  
A G E T D O O O G S  
H I J H K N L L M A  
O R B I T N L A A L  
Q S T L U N A R R T  
R O C K P L A N E T

**Mare**  
**Basalt**  
**Moon**  
**Orbit**  
**Earth**  
**Sun**  
**Age**

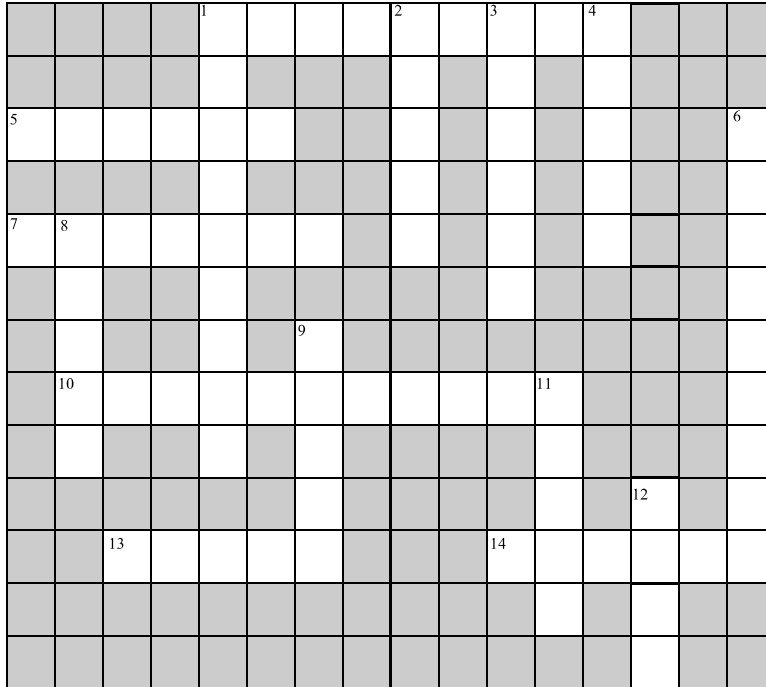
**Sea**  
**Rock**  
**Lunar**  
**Solar**  
**Satellite**  
**Planet**





**A scientist examining moon rock  
under a microscope.**

# Moon Crossword



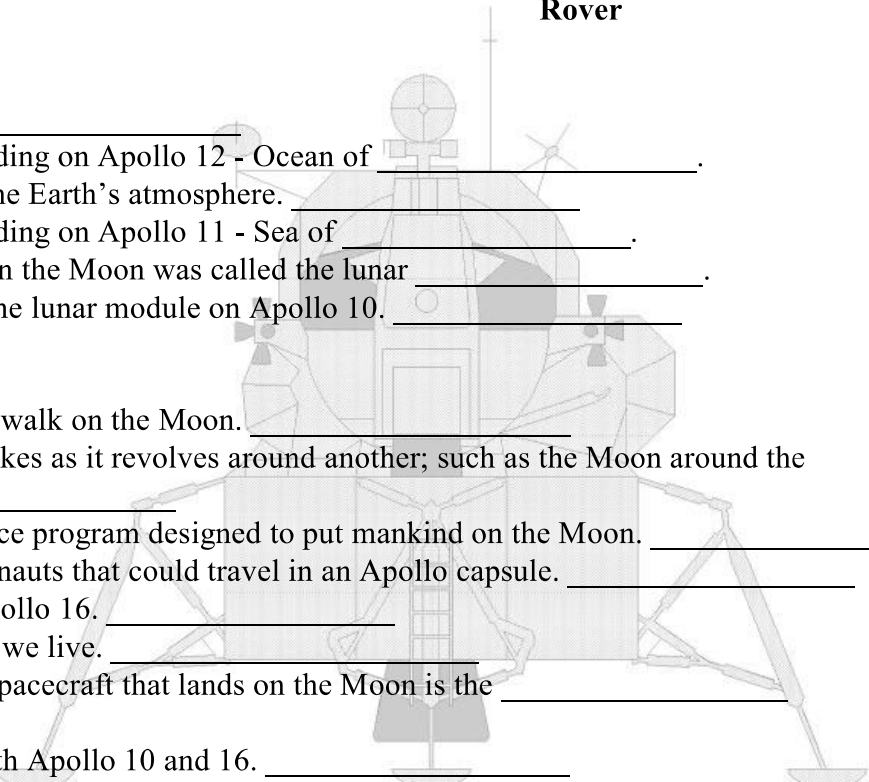
**Storms**  
**Moon**  
**Snoopy**  
**Earth**  
**Apollo**  
**Three**  
**Young**  
**Lunar**  
**Astronaut**  
**Reentry**  
**Orbit**  
**Mattingly**  
**Armstrong**  
**Tranquility**  
**Rover**

## ACROSS

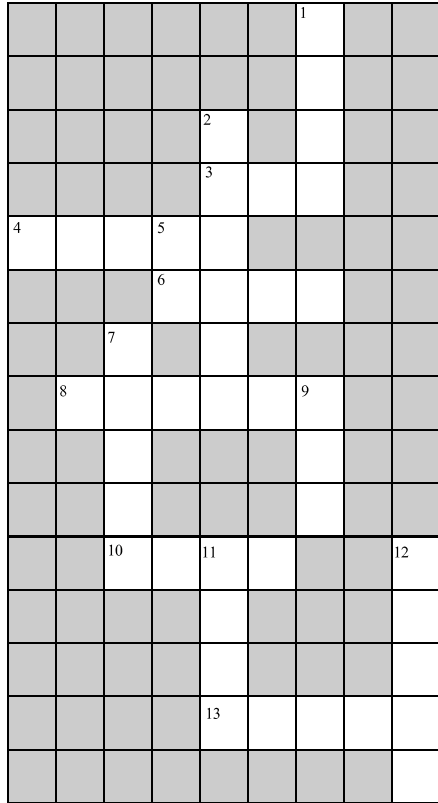
1. Space traveler. \_\_\_\_\_
5. Site of lunar landing on Apollo 12 - Ocean of \_\_\_\_\_.
7. Returning into the Earth's atmosphere. \_\_\_\_\_
10. Site of lunar landing on Apollo 11 - Sea of \_\_\_\_\_.
13. The car driven on the Moon was called the lunar \_\_\_\_\_.
14. Name given to the lunar module on Apollo 10. \_\_\_\_\_

## DOWN

1. The first man to walk on the Moon. \_\_\_\_\_
2. Path an object takes as it revolves around another; such as the Moon around the Earth. \_\_\_\_\_
3. Name of the space program designed to put mankind on the Moon. \_\_\_\_\_
4. Number of astronauts that could travel in an Apollo capsule. \_\_\_\_\_
6. Astronaut on Apollo 16. \_\_\_\_\_
8. Planet on which we live. \_\_\_\_\_
9. The part of the spacecraft that lands on the Moon is the \_\_\_\_\_ module.
10. Astronaut on both Apollo 10 and 16. \_\_\_\_\_
12. The Apollo program was designed to put humans on the \_\_\_\_\_.



# Apollo Crossword Puzzle



**Earth's**  
**Moons**  
**Basalt**  
**Shock**  
**Rocks**  
**Water**  
**Nine**  
**Seas**  
**Rust**  
**Sol**  
**Age**  
**NE**  
**East**

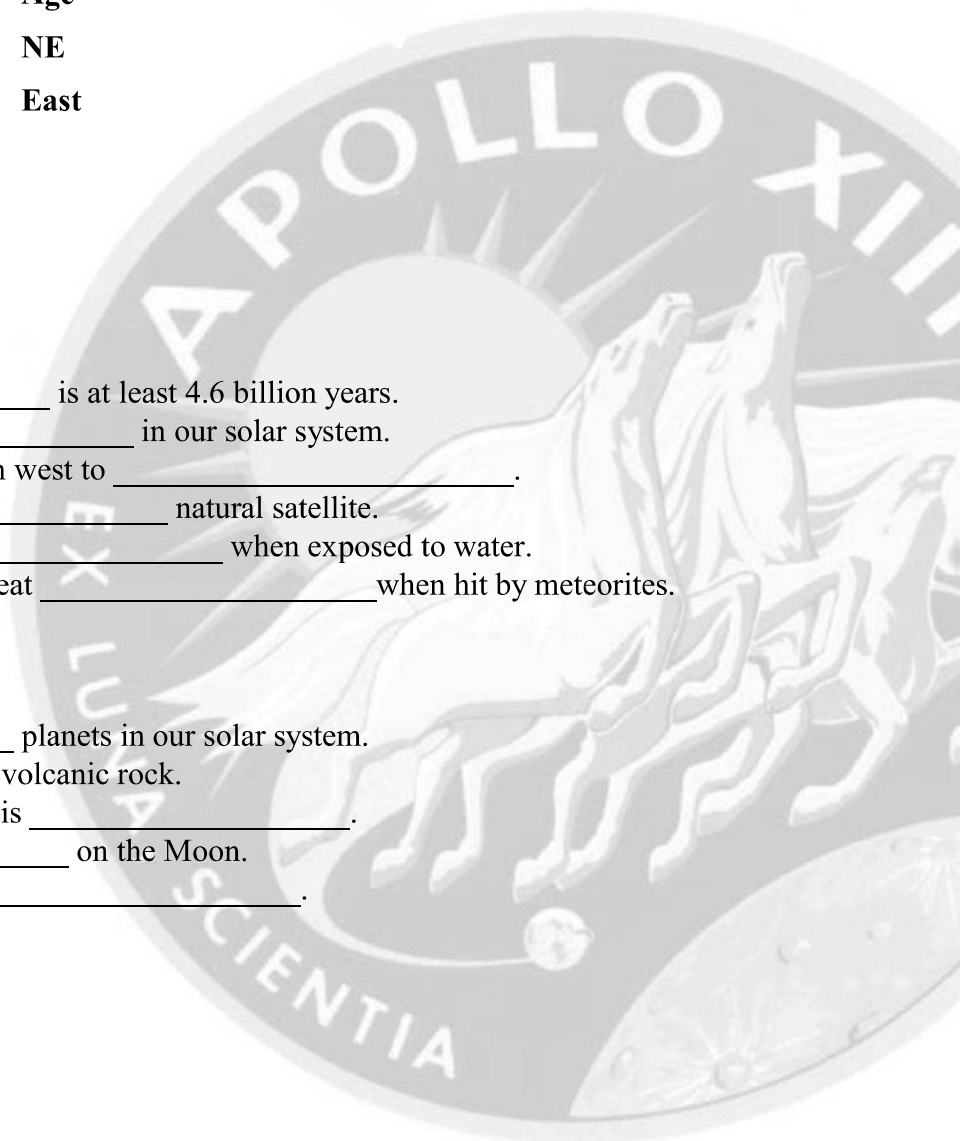


## ACROSS

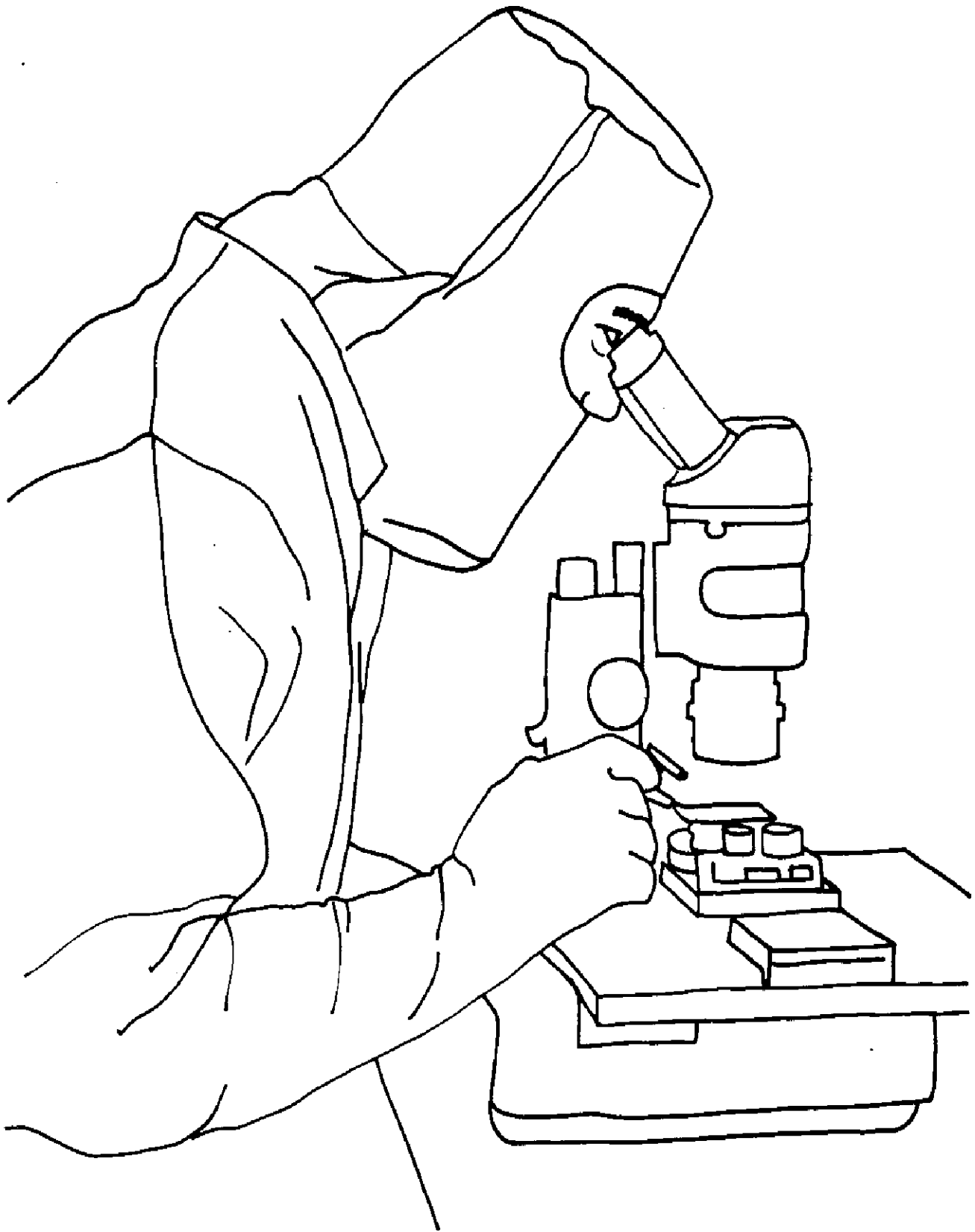
3. The Moon's \_\_\_\_\_ is at least 4.6 billion years.
4. There are 32 \_\_\_\_\_ in our solar system.
6. The Moon orbits the Earth from west to \_\_\_\_\_.
8. The Moon is the \_\_\_\_\_ natural satellite.
10. Some lunar rocks will \_\_\_\_\_ when exposed to water.
13. Rocks on the Moon undergo great \_\_\_\_\_ when hit by meteorites.

## DOWN

1. There are \_\_\_\_\_ planets in our solar system.
2. \_\_\_\_\_ is a lunar volcanic rock.
5. The abbreviation for north east is \_\_\_\_\_.
7. There is no \_\_\_\_\_ on the Moon.
9. The Latin name for the sun is \_\_\_\_\_.

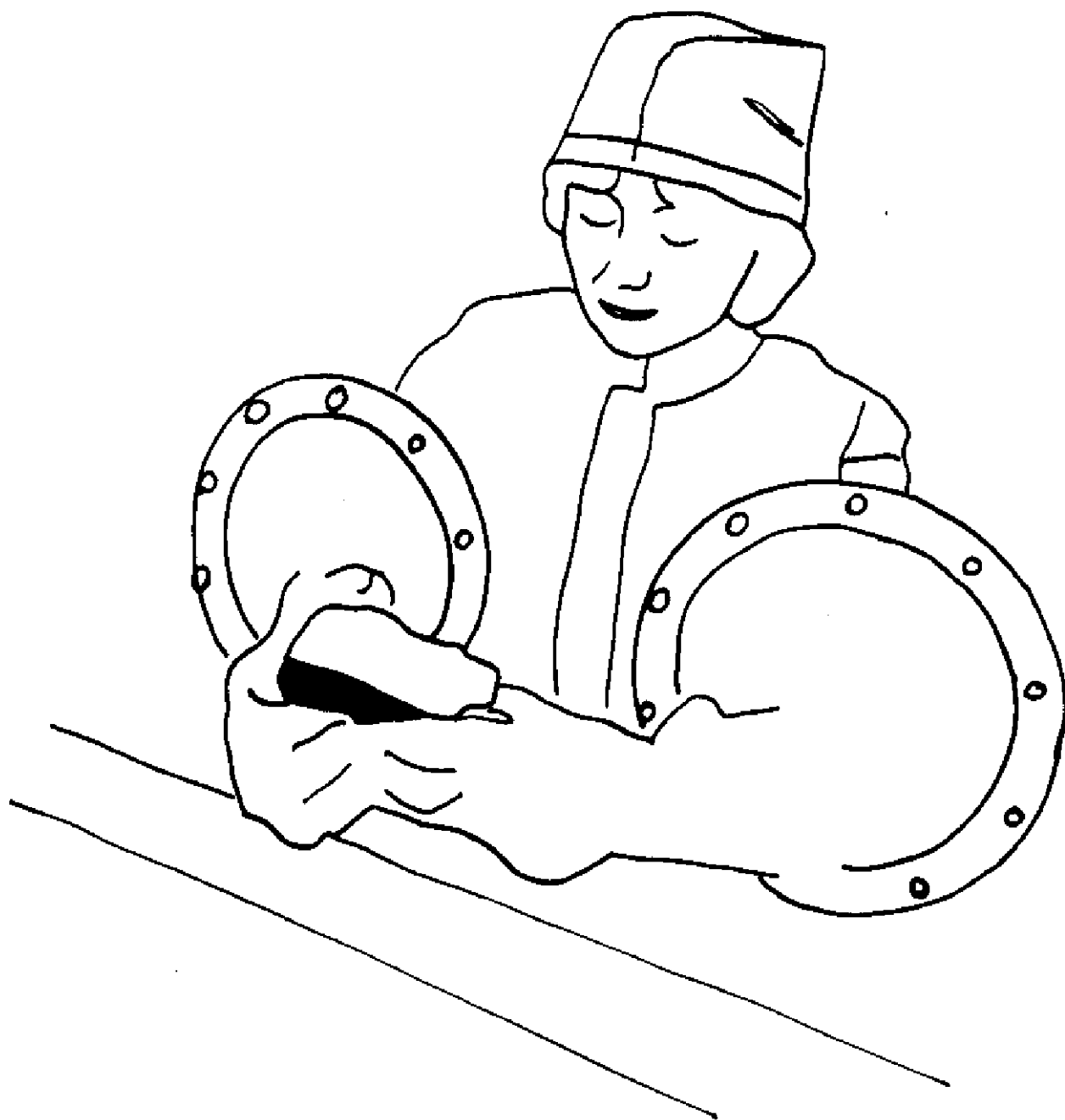




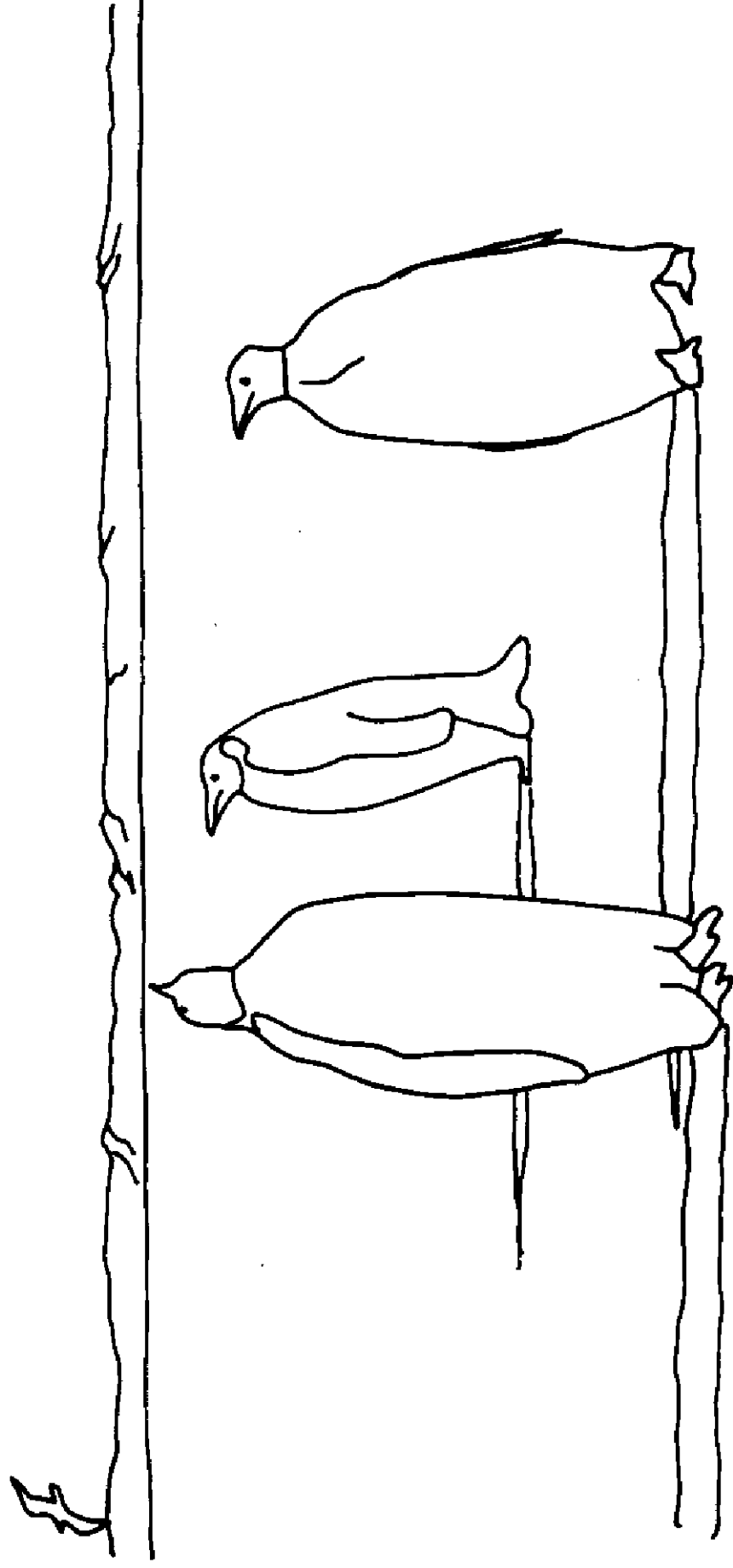
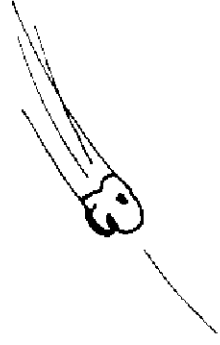


**A scientist looking at cosmic dust.**

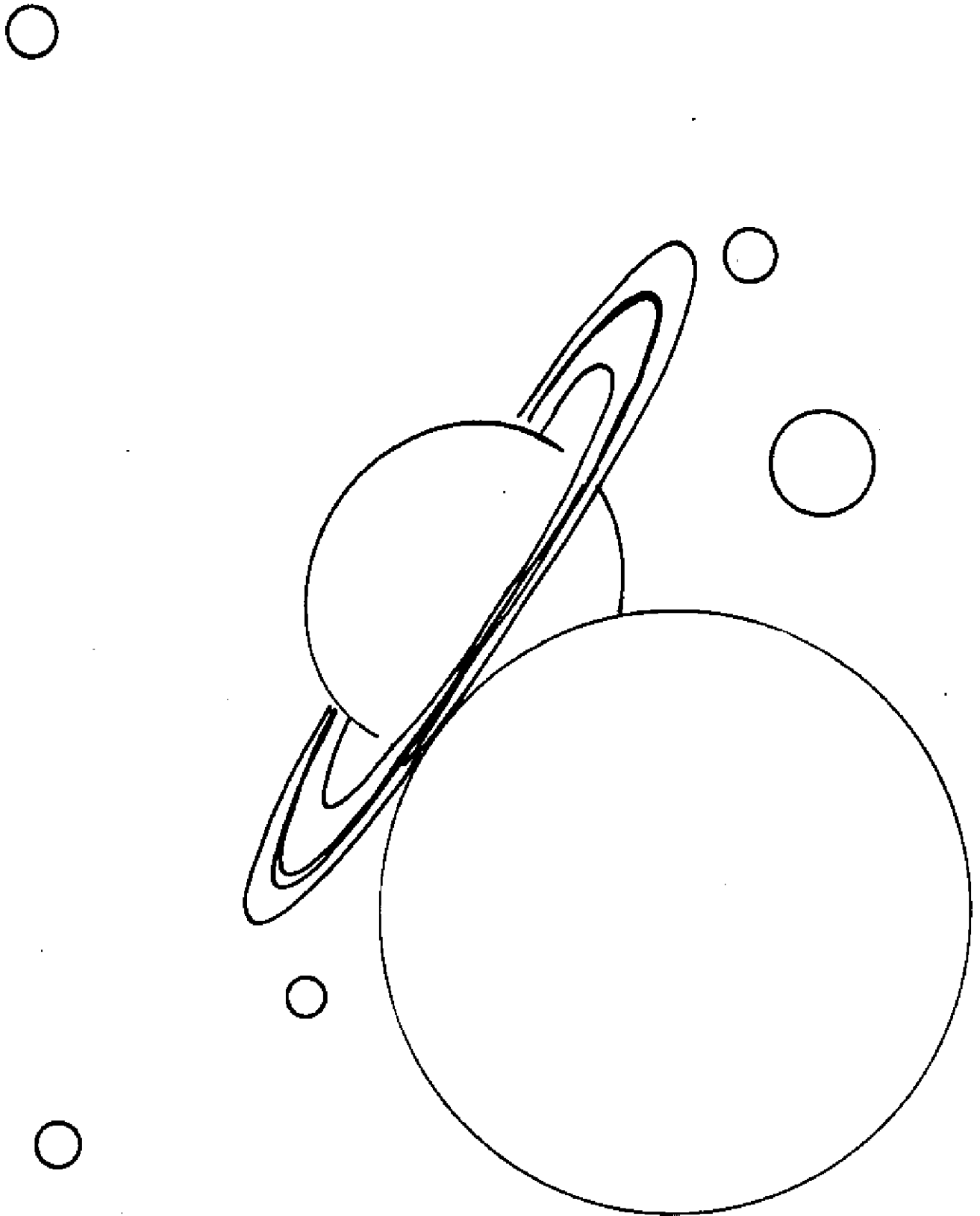




**A scientist examining a meteorite.**



**Meteorites are collected in Antarctica.**



**Someday we hope to explore the  
moons of other planets.**

# Apollo Flight Log

Mission	Dates	Crew	Time in Space	Remarks
<b>Apollo 1</b>	<b>Jan. 27, 1967</b>	<b>Virgil I. Grissom</b> <b>Edward H. White, II</b> <b>Roger Chaffee</b>		<b>Accidental fire during ground test took the astronauts' lives</b>
<b>Apollo 7</b>	<b>Oct. 11-22, 1968</b> Recovery Ship - Essex	<b>Walter M. Schirra</b> <b>Donn Eisele</b> <b>Walter Cunningham</b>	260:8:45	<b>163 revolutions</b>
<b>Apollo 8</b>	<b>Dec. 21-27, 1968</b> Recovery Ship - Yorktown	<b>Frank Borman</b> <b>James A. Lovell, Jr.</b> <b>William Anders</b>	147:00:11	<b>10 revolutions of the Moon</b>
<b>Apollo 9</b> (Gumdrop & Spider)	<b>Mar. 3-13, 1969</b> Recovery Ship - Guadalcanal	<b>James A. McDivitt</b> <b>David R. Scott</b> <b>Russell L. Schweickart</b>	241:00:53	<b>151 revolutions of the Earth</b>
<b>Apollo 10</b> (Charlie Brown & Snoopy)	<b>May 18-26, 1969</b> Recovery Ship - Princeton	<b>Thomas P. Stafford</b> <b>John W. Young</b> <b>Eugene A. Cernan</b>	192:03:23	<b>31 revolutions of the Moon</b>
<b>Apollo 11</b> (Columbia, Eagle, Tranquillity Base)	<b>July 16-24, 1969</b> Recovery Ship - Hornet	<b>Neil A. Armstrong</b> <b>Michael Collins</b> <b>Edwin E. Aldrin</b>	195:18:35	<b>First lunar landing;</b> Sea of Tranquility; 1 EVA 2 hrs. 31 min., 44 lbs. lunar material
<b>Apollo 12</b> (Yankee Clipper & Intrepid)	<b>Nov. 14-24, 1969</b> Recovery Ship - Hornet	<b>Charles Conrad, Jr.</b> <b>Richard F. Gordon, Jr.</b> <b>Alan L. Bean</b>	244:36:25	<b>Second lunar landing;</b> Ocean of Storms; 2 EVAs total 7 hrs. 39 min., 75 lbs. lunar material
<b>Apollo 13</b> (Odyssey & Aquarius)	<b>April 11-17, 1970</b> Recovery Ship - Iwo Jima	<b>James A. Lovell, Jr.</b> <b>Fred W. Haise, Jr.</b> <b>John L. Swigert, Jr.</b>	142:54:41	Planned lunar landing <b>aborted</b> after oxygen tank rupture
<b>Apollo 14</b> (Kitty Hawk & Antares)	<b>Jan. 31 - Feb. 9, 1971</b> Recovery Ship - New Orleans	<b>Alan B. Shepard</b> <b>Stuart A. Roosa</b> <b>Edgar D. Mitchell</b>	216:42:01	<b>Third lunar landing;</b> Fra Mauro; 2 EVAs total 9 hrs. 25 min., returned 98 lbs. lunar material
<b>Apollo 15</b> (Endeavor & Falcon)	<b>July 26 - Aug. 7, 1971</b> Recovery Ship - Okinawa	<b>David R. Scott</b> <b>James B. Irwin</b> <b>Alfred M. Worden, Jr.</b>	295:12	<b>Fourth lunar landing;</b> Hadley Apennine; 3 surface EVAs, totaling 18 hrs. 36 min., returned 173 lbs. samples
<b>Apollo 16</b> (Casper & Orion)	<b>April 16-27, 1972</b> Recovery Ship - Ticonderoga	<b>John W. Young</b> <b>Thomas K. Mattingly</b> <b>Charles M. Duke, Jr.</b>	265:51:06	<b>Fifth lunar landing;</b> Descartes highlands; 3 surface EVAs totaling 20 hrs. 14 min., returned 210 lbs. samples
<b>Apollo 17</b> (America & Challenger)	<b>Dec. 17-19, 1973</b> Recovery Ship - Ticonderoga	<b>Eugene A. Cernan</b> <b>Ronald E. Evans</b> <b>Harrison H. Schmitt</b>	301:51:59	<b>Sixth lunar landing;</b> Taurus-Littrow; 3 surface EVAs totaling 22 hrs. 4 min., returned 243 lbs. samples

# Apollo Questions

*Use the Apollo Flight Log to help find the answers to these questions.*

1. Which astronauts were in space on Christmas? \_\_\_\_\_,  
and \_\_\_\_\_.
2. How many more pounds of lunar material were returned on Apollo 15 than  
Apollo 14? \_\_\_\_\_
3. How many pounds of lunar material were returned from Apollo 12 and 14 together?  
\_\_\_\_\_
4. Which single mission returned that exact amount of lunar material? \_\_\_\_\_
5. Which astronauts flew on more than one Apollo mission? \_\_\_\_\_,  
\_\_\_\_\_ and \_\_\_\_\_.
6. How much time was spent on EVAs on Apollo 16 and 17 together? \_\_\_\_\_
7. Which recovery ships were used for more than one Apollo mission? \_\_\_\_\_ and  
\_\_\_\_\_
8. In which year were the most Apollo missions launched? \_\_\_\_\_
9. What was the total amount of lunar material returned from the Apollo missions?  
\_\_\_\_\_
10. Which astronauts were killed in an accidental fire? \_\_\_\_\_,  
\_\_\_\_\_ and \_\_\_\_\_.
11. What space ship was nicknamed “Charlie Brown and Snoopy”? \_\_\_\_\_
12. How many astronauts have orbited the moon? \_\_\_\_\_
13. Why did the Apollo 13 astronauts not walk on the moon? \_\_\_\_\_  
\_\_\_\_\_

# Find-A-Word Puzzle

*Find the following hidden words. They may be horizontal, vertical or diagonal, forward or reverse.*

- |                   |                                     |
|-------------------|-------------------------------------|
| 1. Achromdrite    | A J A E N M I E L S I E N M Z I T E |
| 2. Asteroid       | H C C T E T I R O E T E M R A K A I |
| 3. Arizona        | W H H I A R K W I N F I R E D O L F |
| 4. Carbonaceous   | I V W R K E O E A Y R U G N W R H D |
| 5. Chondrite      | D U C D B A N A N L P O D L I E N I |
| 6. Chondrule      | M T R N A T R O N N O R I Y N R T O |
| 7. Comet          | A E O O F R T N O Z A N R A D O H R |
| 8. Crater         | N N L H I S R E T A R C D O A E M O |
| 9. Crust          | S L E C R U A R I Z O N A E E T I E |
| 10. Fireball      | T B K A E O A E S O J R M A R E H T |
| 11. Iron          | A C C E B E C R R I T M I B E M E E |
| 12. Meteor        | T H I A A C H O N D R U L E E R T M |
| 13. Meteorite     | T A N R L A S T E R O I D C N E M O |
| 14. Meteoriod     | E N R O L N N G H R A R O B O T H O |
| 15. Nickel        | N Y M C C O M E T L M A J A R R E U |
| 16. Oriented      | O T A P T B O E T N E N Z E T I R D |
| 17. Pallasite     | L O R S E R C H O N D R I T E T E S |
| 18. Stony         | R O U C K A E I L E E S T E O C S Y |
| 19. Widmanstatten | S R B A U C J I B E T I S A L L A P |
|                   | C Y T B J M O O R E M E O T E O R S |