Early History of Space Exploration

Directions: Unscramble each word. Then write each term on the line before its definition.

1. pase bepor

2. otrecck

3. islatteel

4. Petjorc Alloop

5. capes thulest

6. runla

7. a reusable spacecraft

8. related to the Moon

9. a series of space missions to send people to the Moon

10. an uncrewed spacecraft

11. a vehicle that propels itself by ejecting exhaust gas from one end

12. a small object that orbits a larger object
Early History of Space Exploration

Key Concept: How are rockets and artificial satellites used?

Directions: Write the number of each statement in the correct box.

1. collects data as it flies past a planet or the Sun; then continues on through space
2. reusable spacecraft that transports people and materials to and from space
3. propels itself by ejected exhaust gas from one end
4. any uncrewed spacecraft sent from Earth to explore objects in space
5. any small object that orbits a larger object
6. carries oxygen to burn fuel and can operate outside Earth’s atmosphere
7. used to launch other spacecraft into space
8. part of the Global Positioning System (GPS) used for navigation
9. lands on the surface of another planet to collect and analyze data
10. an international Earth-orbiting space station where astronauts live
11. how the Moon is related to Earth
12. travels into space and returns to Earth, landing much like airplanes

A. Rocket

B. Space Probe

C. Satellite

D. Space Shuttle

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**Early History of Space Exploration**

**Key Concept** Why do scientists send both crewed and uncrewed missions into space?

**Directions:** Draw a line connecting each numbered event to its matching lettered description.

<table>
<thead>
<tr>
<th>Event</th>
<th>Description</th>
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<tbody>
<tr>
<td>1. 1957 <strong>Sputnik 1</strong></td>
<td>a. An astronaut from the former Soviet Union is the first human to travel into space.</td>
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<tr>
<td>2. 1958 <strong>Explorer I</strong></td>
<td>b. The first spacecraft is sent to another planet (Venus).</td>
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<td>4. 1959 lunar probes</td>
<td>d. Astronauts from many countries begin living and working in space.</td>
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<td>5. 1961 <strong>Manned Russian spacecraft</strong></td>
<td>e. Neil Armstrong and Buzz Aldrin walk on the Moon.</td>
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<td>6. 1961 <strong>Project Apollo</strong></td>
<td>f. The first probes to the Moon are sent by the United States and the former Soviet Union.</td>
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<td>7. 1962 <strong>Mariner 2</strong></td>
<td>g. The first artificial satellite is sent into Earth’s orbit.</td>
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<tr>
<td>8. 1969 <strong>Apollo 11</strong></td>
<td>h. NASA begins operating reusable spacecraft to transport people and materials to and from space.</td>
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<td>9. 1981 space shuttles</td>
<td>i. The National Aeronautics and Space Administration is established to oversee all U.S. space missions, including space telescopes.</td>
</tr>
<tr>
<td>10. 2000 <strong>International Space Station</strong></td>
<td>j. The United States plans a series of space missions to send people to the Moon.</td>
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Lesson Quiz A

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Multiple Choice
Directions: On the line before each question or statement, write the letter of the correct answer.

1. What was the goal of Project Apollo?
   A. to send people to Mars
   B. to send people to the Moon
   C. to send people into Earth orbit

2. Which of these is NOT a way that space technology has improved life on Earth?
   A. created faster-growing crops
   B. created better artificial limbs
   C. created stronger, lighter materials for athletes

3. The International Space Station is a
   A. lander.
   B. rocket.
   C. satellite.

Completion
Directions: On each line, write the term from the word bank that correctly completes each sentence. Each term is used only once.

lander        rocket        satellite
space    space shuttle

4. A __________________________ is any small object that orbits a larger object.

5. The __________________________ was developed as a reusable means of transporting people and materials between Earth and space.

6. A __________________________ probe touches down on a planet's surface.

7. A __________________________ is a spacecraft sent to explore without humans.

8. A __________________________ uses exhaust to propel itself.