

Chapter 21

Use with Section 3

REINFORCEMENT

● Exploration of the Moon

Use the following terms in the box to complete the statements

crust
depression
ice

lunar
minerals
sensors

shadow
water
surface

thinner
hydrogen

1. The *Clementine* spacecraft was placed in _____ orbit.
2. One of its missions was to test new _____ for tracking cold objects in space.
3. It also took photographs for use in making a map of the moon's _____.
4. The South Pole-Aitken Basin is an impact feature, or _____, on the surface of the moon.
5. Information from *Clementine* helped scientists measure the thickness of the moon's _____.
6. Throughout the moon's rotation, most of the South Pole-Aitken Basin stays in _____.
7. Early data obtained by *Lunar Prospector* indicated that _____ is present in the rocks found in craters near the moon's poles.
8. Hydrogen is one of the elements that make up _____.
9. Some Scientists theorize that _____ may exist in the floors of the craters at the moon's poles.
10. The data shows that the moon's crust is _____ on the side of the moon facing Earth.
11. Another kind of information collected by *Clementine* indicates what kinds of _____ make up moon rocks.

Answer the following questions on the lines provided.

12. Why might the South Pole-Aitken Basin be a good place for a solar-powered moon colony?

13. Where did the spacecraft *Clementine* get its name? _____
