

Chapter 22

STUDY GUIDE

Text Pages 623-631

● Earth's Moon

In the blank at the left, write the term from the box that matches the description.

lunar eclipse
new moon
waxing
moon phases

first quarter
solar eclipse
waxing gibbous

full moon
maria
waning

waning gibbous
third quarter
waning crescent

waxing crescent

- _____ 1. Changing appearances of the moons as seen from Earth
- _____ 2. Phase of the moon when you see only half of the lighted side after a full moon
- _____ 3. Period when the amount of the lighted side that can be seen becomes increasingly smaller
- _____ 4. Phase that starts just after the full moon
- _____ 5. Period after a new moon when more and more of the lighted side of the moon becomes visible
- _____ 6. Phase when the lighted half of the moon is facing the sun and the dark side faces Earth
- _____ 7. Waxing phase of the moon when you can see half of the lighted side, or one-quarter, of the moon's surface
- _____ 8. Phase of the moon when the half of the moon's surface facing Earth is lighted
- _____ 9. Waxing period when more than one-quarter but less than half of the lighted side of the moon's surface can be seen
- _____ 10. Occurs when the moon moves directly between the sun and Earth and casts a shadow on part of Earth
- _____ 11. Occurs when Earth's shadow falls on the moon
- _____ 12. Dark-colored, relatively flat regions of lava on the moon's surface
- _____ 13. Occurs just before a new moon

Write an F next to the statements that are false.

- _____ 14. The moon rotates on its axis once every 365 days.
- _____ 15. The moon completes one revolution around Earth every 27.3 days.
- _____ 16. The large depressions on the moon that are caused by meteorites are called craters.
- _____ 17. One half of the moon is always lighted because it faces the sun.
- _____ 18. At full moon, we see 100 percent of the moon.

Season's Website Worksheet

Name _____

1. Name the four seasons. _____
2. Are the Earth's seasons caused by the differences in the distance from the Sun throughout the year or the tilt of the Earth's axis? _____
3. What is the tilt of the Earth's axis (in degrees)? _____
4. During which season do the Sun's rays hit the Earth at the most direct angle? _____
5. During which season are the days the shortest? _____
6. What is the name of the shortest day of the year (and the beginning of winter)? _____
7. What is the name of the longest day of the year (and the beginning of summer)? _____
8. What is the name of a day in which the day and night are of equal duration? _____
9. How many times each year do we have days in which the day and night are of equal duration? _____
10. What are the names of each of these days? _____