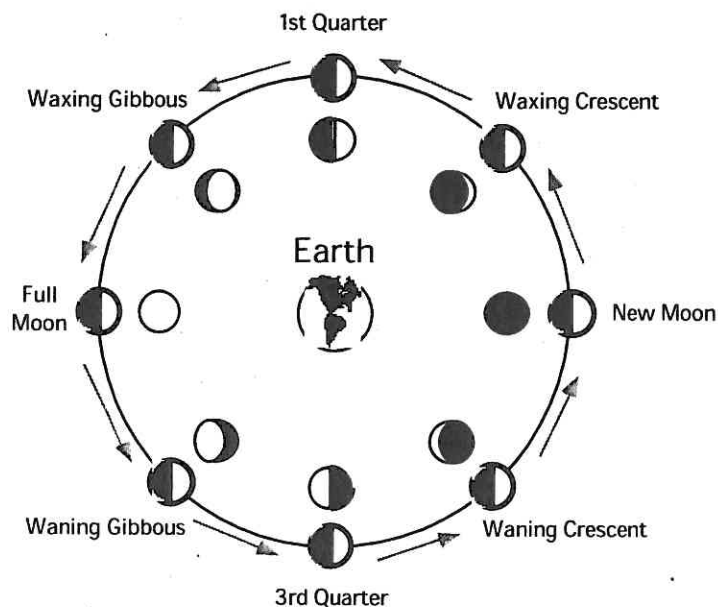


The Phases of the Moon

The circles within the orbit show what the Moon looks like from Earth at that phase.
Waxing means "getting bigger." Waning means "getting smaller."



1. What phase comes after a "1st Quarter Moon"? _____
2. What fruit most commonly resembles a Crescent Moon? _____
3. If the Moon is "waxing" is it's phase getting: BIGGER or SMALLER ?
4. What phase comes just after the Full Moon? _____
5. What does the Moon look like at the "New Moon Phase"? _____
6. Is a "Waning Crescent" getting: BIGGER or SMALLER ?
7. Which phase of the Moon reflects the most light towards Earth? _____
8. What is the common unit of time that relates to one full set of phases? _____

Lost on the Moon Activity

Read the following passage to your students and have them complete the exercise. After they have made their choices, discuss their answers in comparison to NASA's suggested answers. Then have them complete the same exercise but pretend they are on the Earth instead of the Moon.

Image yourself in the following situation. You and two friends are astronauts. You are supposed to meet with a mother ship on the lighted side of the Moon. Because of some very bad mechanical problems, your lunar lander has forced you to crash land 200 miles away from your rendezvous point. The crash landing has ruined most of the equipment aboard.

Since your life depends on making it to the mother ship, you must make the trip on foot. Only the most important things can be carried with you. Below is a list of fifteen things that were still in one piece after the crash. It is your job to rank these items. Number them from 1 to 15. Place number 1 next to the most important item you would take, number 2 next to the second most important item, and so on through number 15, the least important.

_____A box of matches

_____A map of the Moon

_____Food

_____A life raft

_____50 feet of rope

_____A compass

_____A parachute

_____5 gallons of water

_____A heater

_____Signal flares

_____Two guns

_____First -aid kit

_____A case of dried milk

_____A radio

_____Two 100 pound tanks of oxygen

Now imagine that the same thing has happened to you on some remote part of Earth. How would your choices change?