
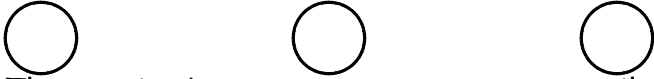


Review of Sun and Moon Lectures
Astronomy 25

- 1) The Sun is made mostly of _____.
- 2) The Sun generates energy by what process? _____
- 3) The Sun creates _____ from hydrogen.
- 4) The part of the Sun we can see is called the _____.
- 5) Explosions on the Sun that we can see are called _____.
- 6) The atomic particles the Sun spews into space are called the _____.
- 7) The Sun is approximately _____ years old.
- 8) We can safely observe the Sun using an eyepiece solar filter. T / F
- 9) To see fine detail on the Sun we must use an _____ filter.
- 10) The Sun's corona can only be seen during a total _____ eclipse.
- 11) Label the three bodies for a solar eclipse: (Sun, Moon, Earth)

- 12) Label the three bodies for a lunar eclipse:

- 13) The Sun is about _____ miles away from the Earth.
- 14) We call this distance an _____.
- 15) Light from the Sun takes about _____ to reach us.
- 16) The Sun and Moon appear about _____° wide from Earth.

- 17) The Moon is about _____ miles from Earth.
- 18) The Earth tilts 23.5° to its orbit. The Moon tilts _____ $^\circ$.
- 19) The time between new Moons is about _____ days.
- 20) The new Moon rises at _____, the full Moon at _____.
- 21) The Moon rises about _____ later each night.

22) Match:

- | | |
|-------------|-------------------------|
| A) Crescent | Totally lit _____ |
| B) Gibbous | Getting bigger _____ |
| C) Waxing | Less than 50% lit _____ |
| D) Waning | 50% lit _____ |
| E) Quarter | More than 50% lit _____ |
| F) Full | Getting smaller _____ |

- 23) The Moon moves east about _____ $^\circ$ each day.
- 24) During the lunar month, light on the Moon starts on the _____ side and moves to the _____ side until it is dark again.
- 25) A new Moon is easily seen with your 8" telescope. T / F
- 26) Match the statement to the planets in orbit around the Sun:

- A) Greatest eastern elongation
 B) Greatest western elongation
 C) Superior Conjunction
 D) Inferior Conjunction
 E) Conjunction
 F) Opposition
 G) Quadrature

