

A Step-Program for the Moon Observation Award

Moon Observations with observational notes, sketches and descriptions –

Note: It may be necessary to use a pair of binoculars or telescope for some of these observations. Be sure to note equipment used and seeing conditions and time of observation.

Phases of the Moon

Visually observe and document in notebook the various phases of the moon, included location, and time:

| | | | |
|-----------|-----------------|---------------|-----------------|
| New Moon | Waxing Crescent | First Quarter | Waxing Gibbous |
| Full Moon | Waning Gibbous | Last Quarter | Waning Crescent |

Reference: <https://www.astrosociety.org/edu/publications/tnl/12/12.html>

Identify the following Moon Craters

| | | | |
|--------------|------------|-------------|------------|
| Goldschmidt | Pythagoras | Aristoteles | Copernicus |
| Eratosthenes | Ptolemaeus | Theophilus | Clavius |
| Schickard | Clavius | Kepler | Morethus |

Identify Seas (Marie)

| | | | |
|--------------|-------------------|---------------------|------------------|
| Mare Crisium | Mare Fecunditatis | Mare Tranquilitatis | Mare Serenitatis |
| Mare Vaporum | Mare Imbrium | Mare Insularum | Mare Cognitum |
| Mare Nubium | Mare Humorum | Oceanus Procellarum | |

Using a sketch of the Moon, identify the six Apollo Moon Landing Sites