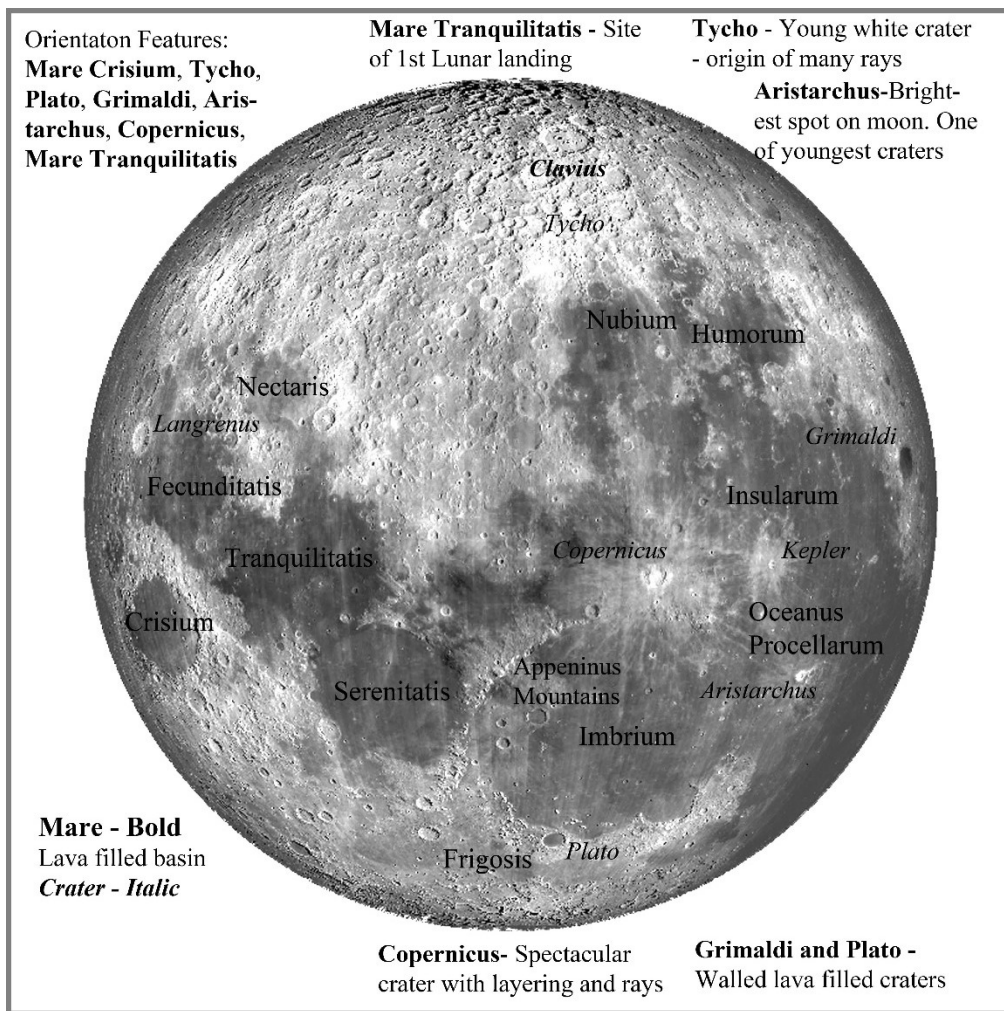


Library Telescope and Binocular Lunar Checklist		Days Old Moon	Date / Time Observed	N, B, T	Notes
	New Moon Date	0			
1	Crescent Moon <72hrs with Earth Shine	< 3			
2	Mare Crisium	>3			
3	Mare Fecunditatis	>4			
4	Mare Tranquilitatis	>5			Apollo 11 Landing Site
5	Mare Serenitatis	>6			Apollo 17 Landing Site
6	Mare Nectaris	>5			
7	Crater Langrenus	4,6,16			Full sun at 9, Terminator at 16
8	Crater Clavius	9			Largest Crater on the moon
9	Crater Tycho	14, 8			Full Moon to see rays
10	Appenine Mountains	7-8			
11	Crater Plato	>8			
12	Crater Copernicus	9,14			See rays at full moon, crater detail on Term
13	Mare Frigosis	>9			
14	Mare Nubium	>10			
15	Mare Imbrium	>10			
16	Crater Kepler	10-11,14			Rays
17	Crater Aristarchus	>11,14			Small but brightest spot on moon
18	Mare Humorom	>13			
19	Oceanus Procellarum	14			
20	Grimaldi	14			



A Lunar Program for Library Telescopes and Binoculars

- Become familiar with moon and checklist names
- Start or restart at a new moon. Note date and time
- See which night right after sunset you can see the crescent moon. Note earth shine if you see it.
- Features are best seen on the terminator. Every night presents new features.
- On 2nd or 3rd night after new moon, look for Crisium and Langrenus.
- Continue to look every night you can up to full moon checking off the features as you see them.
- Make notes of any other features you can identify

References

- Sky & Telescope free moon map. Google - sky & Telescope moon map or go to <https://skyandtelescope.org/wp-content/uploads/MoonMap.pdf>
- For your phone: Lunar Map HD
- For your Computer: Google - Virtual Moon for free download
- Stellarium: www.stellarium.org
- Moon Stories etc. from NASA bit.ly/moonstories
- For more extensive lunar programs visit Astroleague Observing Programs.

Earn a certificate by completing the checklist and sending photo or scan to rockytogni@gmail.com. You'll receive an emailed certificate you can print out.

