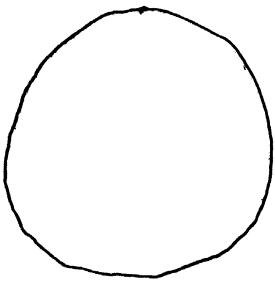
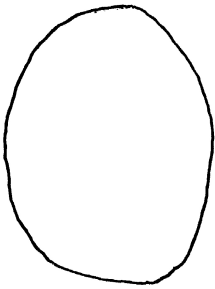
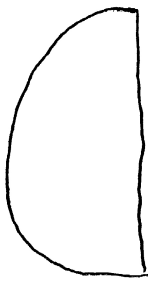
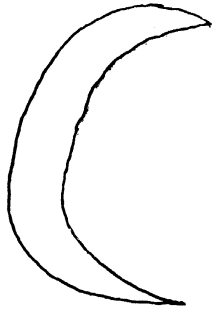
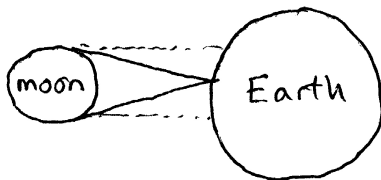
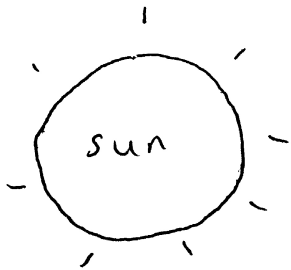
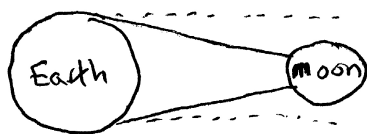
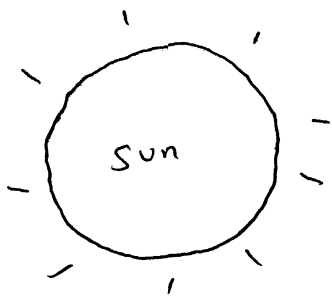

new moon	waxing crescent	first quarter	waxing gibbous
			
full moon	waning gibbous	third quarter	waning crescent



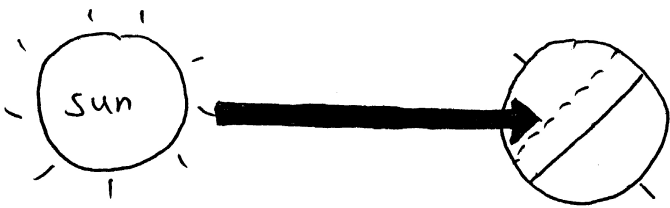
Solar eclipse:

- the moon blocks out the sun
- requires a new moon
- can only be seen in daylight



Lunar eclipse:

- the Earth's shadow blocks out the moon
- requires a full moon
- can only be seen at night



Summer Solstice:

- June 21/22
- N = summer
- S = winter
- sunlight hits the tropic of cancer ($23.5^{\circ}N$)



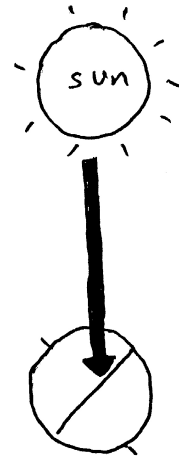
Winter Solstice:

- December 21/22
- N = winter
- S = summer
- sunlight hits the tropic of capricorn ($23.5^{\circ}S$)



Fall Equinox:

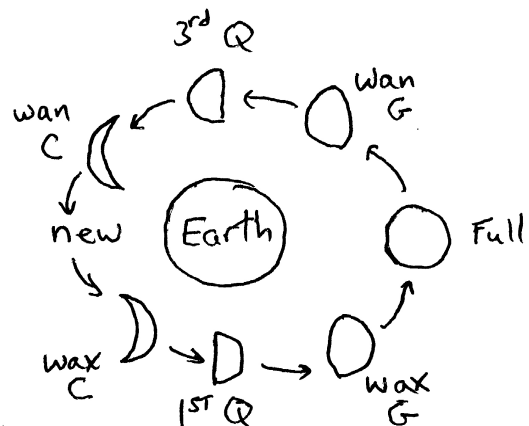
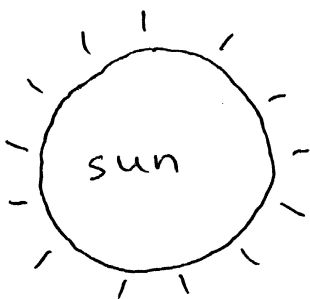
- September 22/23
- N = fall
- S = spring
- sunlight hits the equator



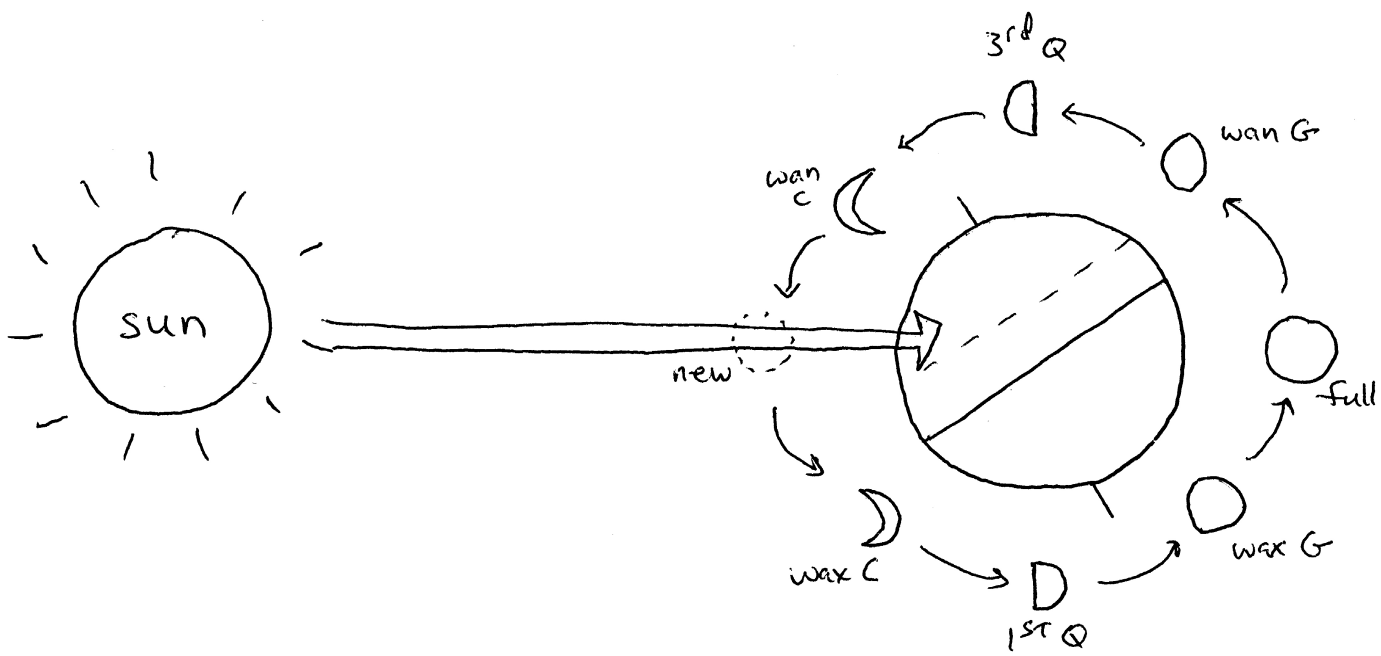
Vernal Equinox:

- March 20/21
- N = spring
- S = fall
- sunlight hits the equator

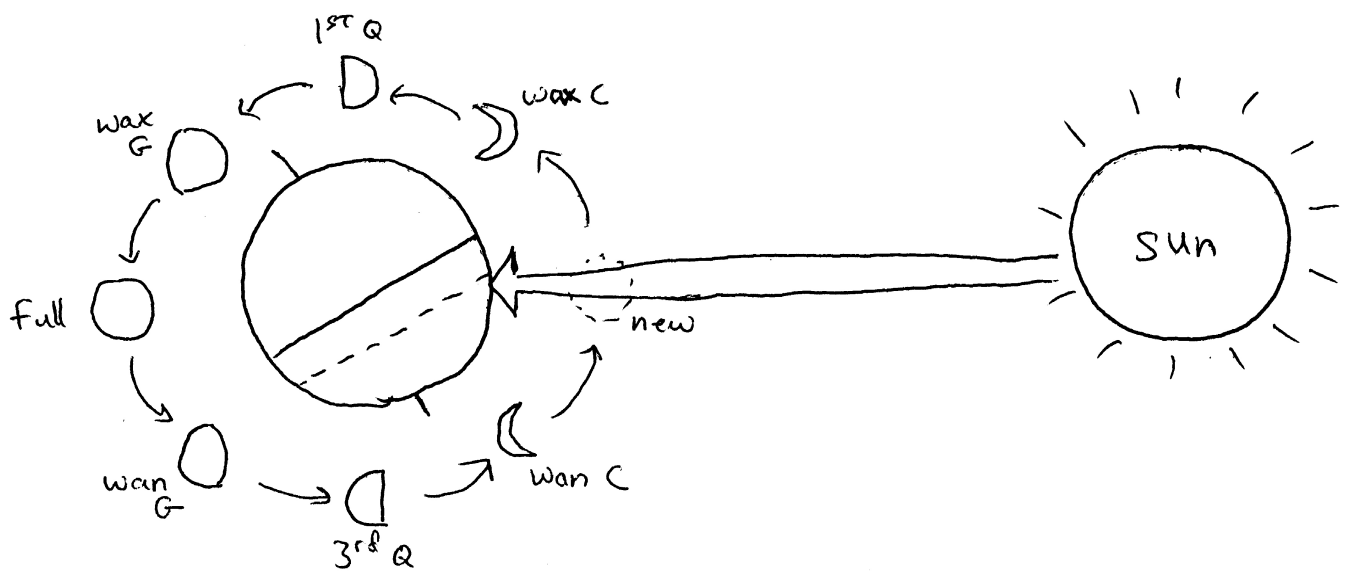
The 8 Moon Phases:



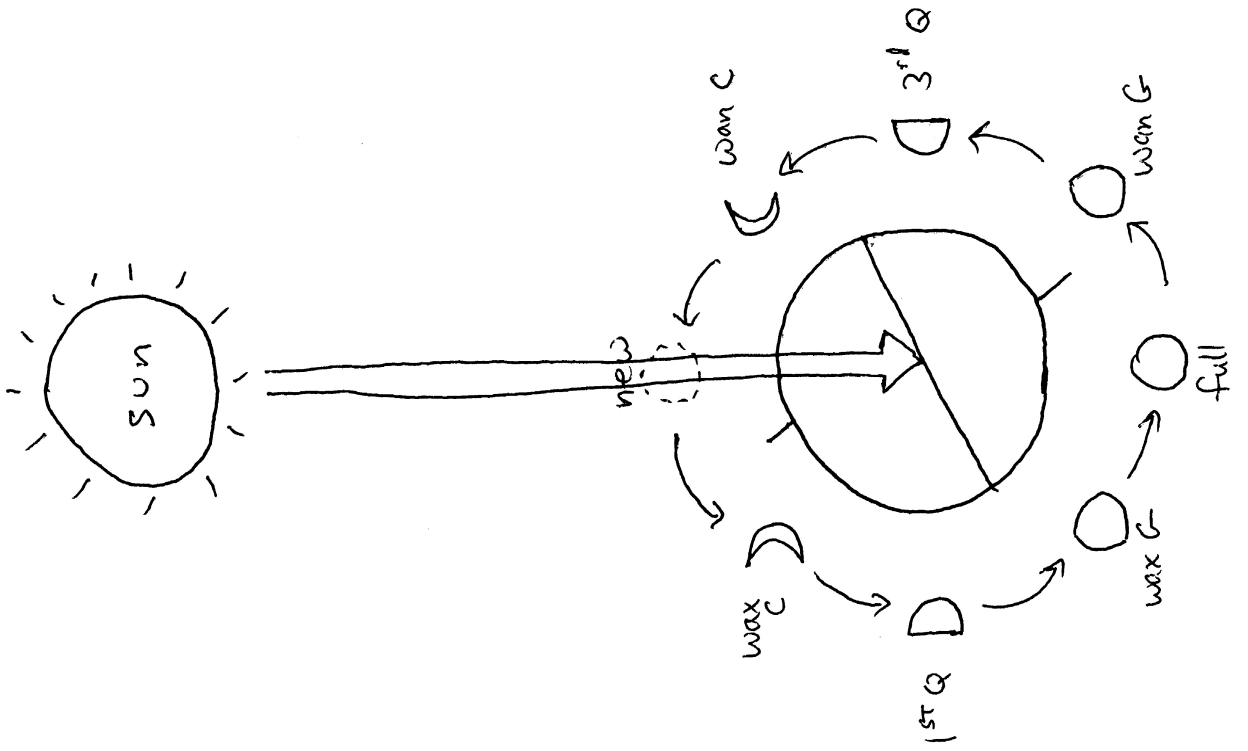
Summer



Winter



Spring



Fall

