Phases of the Moon
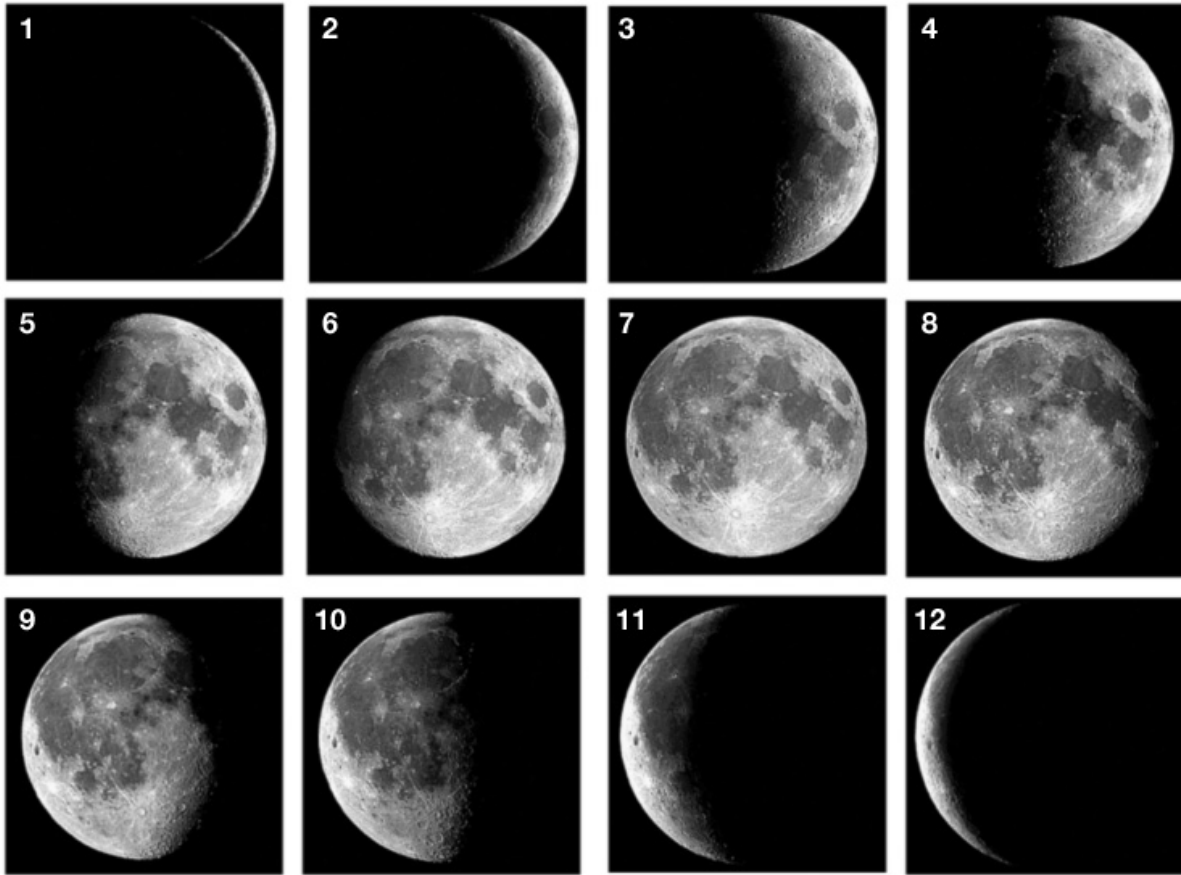

Which image shows First Quarter? _____ Full? _____Third Quarter? _____

Which images are crescents?_____ gibbous?_____

Which images are waxing? _____ through _____

Which images are waning? _____ through _____

Now, measure the diameter of each moon, image 4 through 10. Measure top to bottom.

Sizes (mm): 4_____ 5_____ 6 _____ 7_____ 8_____ 9_____ 10_____

Which one is the largest? _____ The smallest? _____

Why might they not all be the same? (assume it is the same telescope setup). _____

 "Eccentricity" is the amount by which an orbit is non-circular (circles are zero, max=1):

Calculate: (Largest – smallest) / (Largest + smallest)   =   _____ / _____ = _____