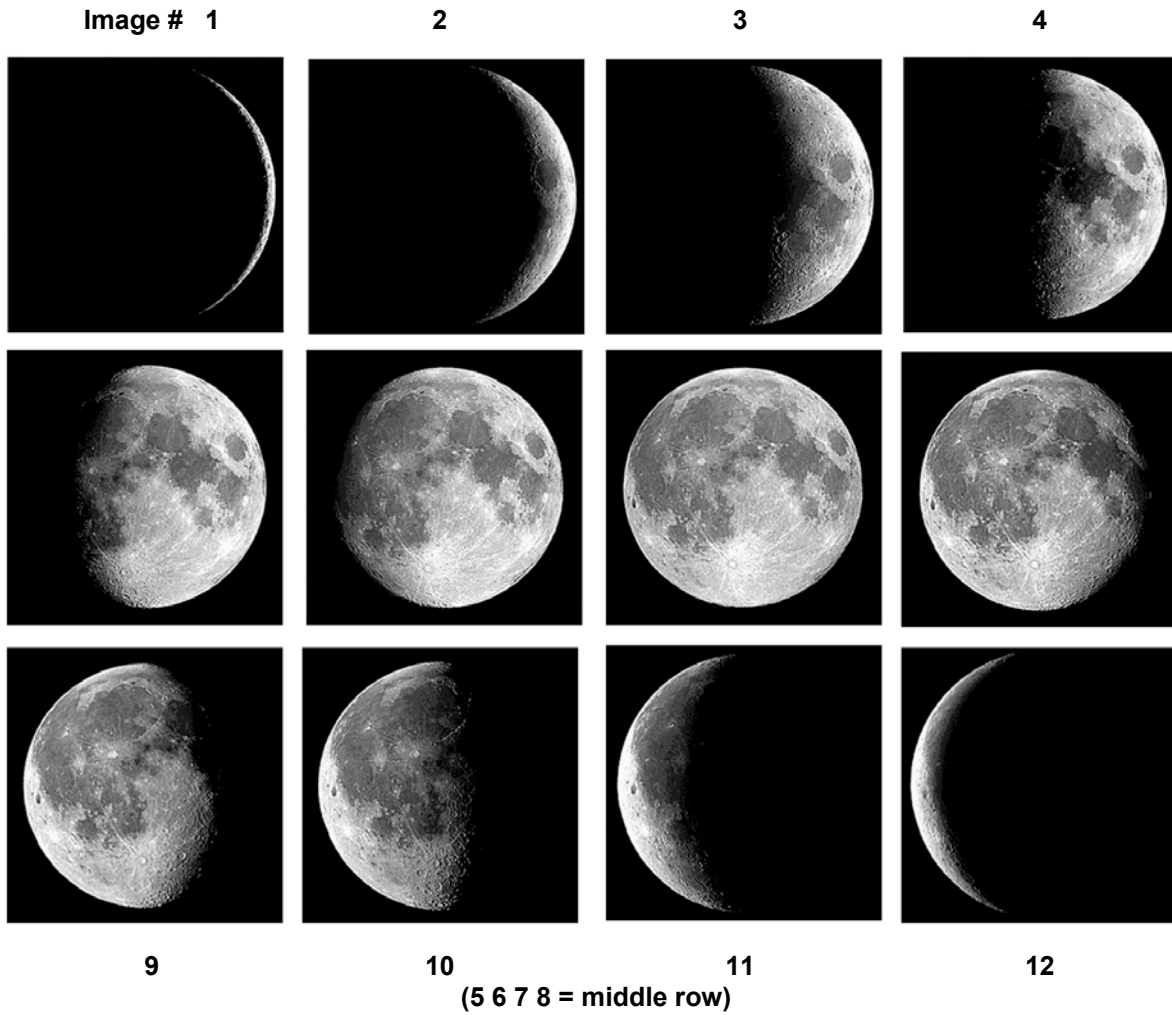


Phases of the Moon



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) = _____ / _____ = _____