

your sketch of the moon should fill the circle outline provided on the observation sheet.

- a. Include any of the dark mare that you see along with many of the larger craters, these are called lunar features (you will need to note 15 different features minimum, 5 for each observation). Your drawing should be detailed enough so that the 5 features you are noting are clearly recognizable. This means you will want to draw groups of craters that surround those features, etc.
 - b. Be sure to include how the moon is tilted, be sure to draw it exactly how you see it. See this example: [MoonObs Example.pdf](#) (right click on the link to open in a new window). And then also circle the matching moon in the chart of phases.
2. Record the date, time, your location, direction, altitude, moon phase and equipment you used to make the observation.
- a. Examples of equipment: binoculars, refracting telescope, or reflecting telescope (definitions of these types of telescopes can be found in your textbook). See General Laboratory Instructions under the Start Here! folder for specific information.
 - b. Please describe your binoculars in terms of their specifications (magnification and aperture). You'll generally see two numbers printed on your binoculars, the first number refers to the magnification (power) and the second to the size of the objective lens in millimeters. Common specs are 10x50, 7x35, etc.
 - c. And if using a telescope you need to be able to see the full moon in your eyepiece. Please be sure to report your mirror/lens diameter and what eyepiece you are using.
 - d. Please see the document Start Here/General Laboratory Instructions for further information.
3. For each of the observations you will list (highlight) 5 different features, not repeating a feature used on another observation. (Remember, a feature is a mare, crater, etc. - you must research and look up the specific name of the feature you sketched.) On each observation please sketch more than 5 features. You can sketch the same features on more than one observation but you still need to be able list/highlight 5 different features on each observation. It is often helpful to sketch a group of features that you see together, this will help you later to find them on a lunar map.
4. For the Description of Features for each observation (Type this and submit in document form.):
- a. Describe in words the appearance of the Moon including its phase and any specific features.