Telescopes Worksheet

Sketch the Moon in the space below, making sure to include as much detail as you are comfortable drawing. Record the type of telescope you are using (reflector, refractor), the size of the objective lens (or mirror) and the size of the eyepiece.

How is an observatory different from a planetarium?

What of the following is NOT a basic use of a telescope?
A. Magnify
B. Intensify faint images
C. Measure angles in the sky
D. Shine light on the target

What are the main differences between reflecting and refracting telescopes?
A. Reflectors use mirrors but refractors use lenses
B. Reflectors use lenses but refractors use mirrors
C. Reflectors use tripods but refractors are handheld
D. Reflectors use cannot aim straight up but refractors can aim anywhere in the sky

What other instruments can be used with telescopes?
If your telescope is equipped with a safe solar filer, sketch the view of the sun in the space below. Do you see any sunspots?