

Now you are inside the Observatory, and the session is about to start.

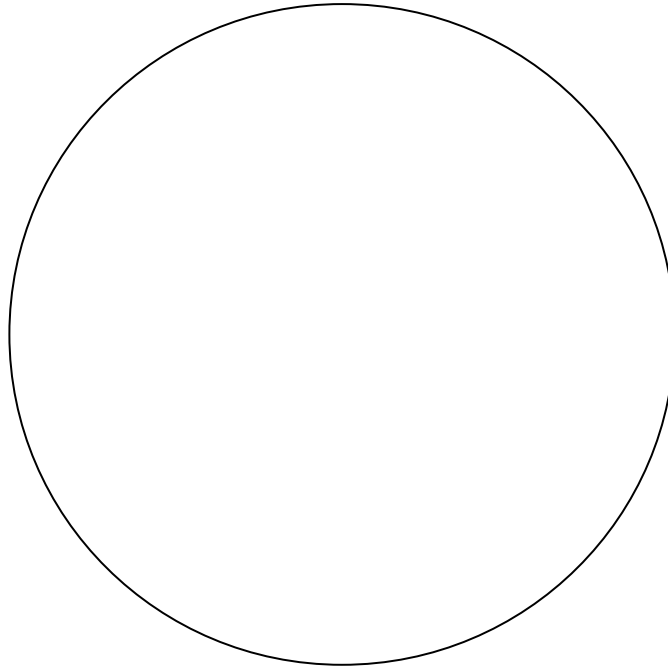
3. Look at your telescope. This telescope is often described as a **12 inch refractor**.

(a) Does a **refractor** use a lens or a mirror to collect light?

(b) What is **12 inch**?

4. A special telescope setup is used to view the Sun so that your eyes will not be damaged. Below sketch and label the setup used to view the Sun.

5. On the circle below draw and label the surface features that you observe on the Sun.



6. **Checklist.** Did you see the following features? If yes, make sure the feature is drawn above. If not, explain why it was not observable.

(a) Limb-darkening?

(b) Sunspots?

(c) Granules?

7. Describe your favorite part of this solar observing session in 1–3 sentences.

Get the instructor's autograph before you leave the Observatory!