Cincinnati Observatory

Stargazer's Observation Log

Observer Name: _____

Date: _____ **Time:** _____AM / PM **Location (City/Backyard/Park):**_____

Observing Conditions

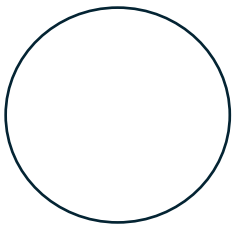
Weather: [ ] Clear. [ ] Partly Cloudy. [ ] Hazy. [ ] Cold/Crisp.
Light Pollution: [ ] Very Dark (Country). [ ] Some Lights (Suburbs). [ ] Bright (City)
Moon Phase: [ ] New. [ ]Waxing Crescent. [ ]First Quarter . [ ] Waxing Gibbous. [ ]Full. [ ] Waning Gibbous. [ ] Third/Last Quarter. [ ] Waning Cresent.

Target Information

Object Name: _____ (e.g., Jupiter, Orion Nebula, The Moon)
Constellation: _____ **Eyepiece Used:** [ ] Low Power (e.g., 25mm) [ ] High Power (e.g., 10mm)

Eyepiece Sketch

Draw what you see! Don't worry about making it perfect. Notice the shapes, the differences in brightness, and where the object sits among the background stars.



Tips for Sketching:

- **Start with the brightest stars:** Draw the brightest points of light first to anchor your sketch, then fill in the dimmer details.
- **Don't worry about perfection:** Astronomers have been sketching the sky for hundreds of years. It's about recording *what you noticed*, not creating a masterpiece!
- **Use a red flashlight:** If you need light to draw, use a red light (or cover your phone flashlight with red clear wrap). White light will ruin your night vision!

Ideas for what to sketch:

- The bands of clouds across Jupiter.
- The exact position of Jupiter's 4 brightest moons (draw them as tiny dots!).
- The rings of Saturn and the empty space between the rings and the planet.
- The jagged edge of the shadows on the Moon (the "terminator" line).
- A fuzzy, glowing cloud like the Orion Nebula.

Observation Notes

Describe what you are seeing. What colors do you notice? Is the object bright or faint? Does it have a distinct shape, or is it fuzzy? If looking at the Moon, what do the crater shadows look like?

Ok, get started!

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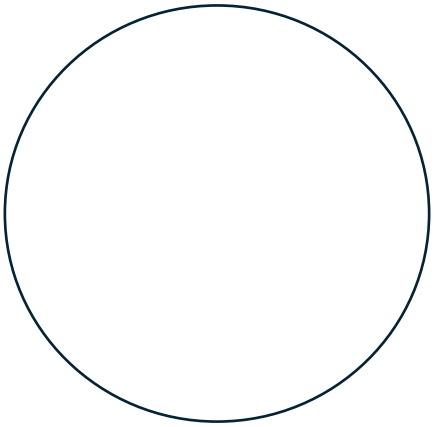
🎯 Target 1: _____

Eyepiece Used: [ ] 25mm (Low Power) [ ] 10mm (High Power)

Sketch What You See! *(Draw the object exactly as it appears through the eyepiece below)*



Observation Notes: *(What colors do you see? Is it fuzzy or sharp? Can you see any moons or shadows?)*

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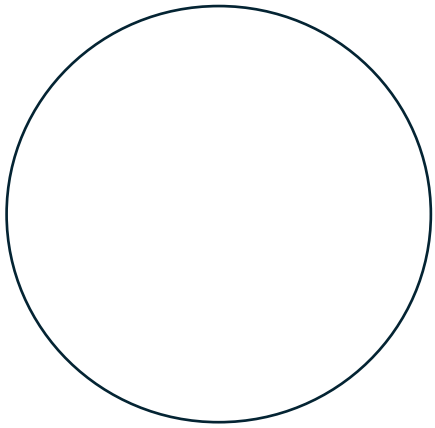
🎯 Target 2: _____

Eyepiece Used: [ ] 25mm (Low Power) [ ] 10mm (High Power)

Sketch What You See! *(Draw the object exactly as it appears through the eyepiece below)*



Observation Notes: *(How is this different from your first target?)*

Repeat format above as you need!