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# The Iowa Robotic Observatory

## Pre-Lab Quiz

Record you team's answer as well as your reasonings and explanations.

1.

2.

3.

4.

## Part 1: Introduction to the Iowa Robotic Observatory

1. Using the Rise and Set Time (RST) Calculator on the Iowa Robotic Observatory (IRO) website, fill in the chart below to determine some objects observable by the IRO tonight. Some targets may not be observable at all; note this if so.

Object Name	Other Name (if Messier)	Object Type (star cluster, planet, galaxy, nebula, etc.)	RA (h, m, s)	Dec (°, ', ")	Times Observable	Best Time to Observe (if Observable)
M42						
Saturn						
M16						
M57						
M27						
Jupiter						
M51						
M13						

2. Select an object to observe. Feel free to pick an object from the chart above that is observable tonight, though there are likely better options and you can select any object that you would like that will be above the horizon. What object did you select? List its name and three facts about it below.

3. Why does the Gemini telescope have different filters?

4. Prepare an observing request to the Iowa Robotic Observatory using the online form. What filter and exposure time did you input for your target? Justify your choices below.

5. Submit your observing request and show the online notification page of your successful submission to your TA. Have them stamp below when they have seen this.