**Activity: Compare & Contrast Telescopes**

You have **25 minutes** to complete this exercise.

**Part A: Individual Research (10 mins)**

From the table provided, each partner will select **1 real telescope**. After each of you have selected a telescope, **individually** read the information on your scope (by clicking their links) and write down a few notes about its characteristics.

Some ideas to guide your learning could be:

* What type of light does it view? (e.g. radio, infrared, optical, ultraviolet, xray, etc)
* What was it designed to do? Does it have a specific purpose?
* How big is it? What does it look like?
* Where is it located? If it’s on Earth, where?
* Does it have a mirror? How large is it?
* Is it still operating?

Here are the telescopes you may choose from:

| **Telescopes (click for more information)** |
| --- |
| [Arecibo Observatory](https://www.schoolsobservatory.org/learn/eng/tels/groundtel/arecibo) |
| [Chandra Telescope](https://www.schoolsobservatory.org/learn/eng/tels/spacetel/chandra) |
| [Gaia Telescope](https://www.schoolsobservatory.org/learn/eng/tels/spacetel/gaia) |
| [Hubble Space Telescope](https://www.schoolsobservatory.org/learn/eng/tels/spacetel/hst) |
| [James Webb Space Telescope (JWST)](https://www.schoolsobservatory.org/learn/eng/tels/spacetel/jwst) |
| [Keck Telescope](https://www.schoolsobservatory.org/learn/eng/tels/groundtel/keck) |
| [Subaru Telescope](https://www.schoolsobservatory.org/learn/eng/tels/groundtel/subaru) |

**Part B: Collaborative Venn Diagram (15 minutes)**

With your partner, *compare and contrast* your 2 telescopes based on what you’ve learned in Part A by filling in the following Venn Diagram. Write as many things as you can in 15 minutes!

Telescope #1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Telescope #2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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