

DAY 1: So Many Solar Eclipses

Materials

- Markers or colored pencils
- Solar eclipse images (partial, total, annular) for reference



Conduct an Investigation

1. Observe the solar eclipse images provided by your teacher.
2. Draw a representation of each type of solar eclipse in the space below.

Types of Eclipses

Partial Solar Eclipse

Total Solar Eclipse

Annular Solar Eclipse





Communicate Information

1. Explain the difference in appearance of the three types of eclipses.

2. Why do different types of eclipses occur?

DAY 1: So Many Solar Eclipses

Materials

- Chart paper or whiteboard
- Markers or colored pencils
- Solar eclipse images (partial, total, annular) for reference

Objective: Students will learn about the different types of solar eclipses and graph their understanding.

Teacher Notes

Students can work on this individually or in small groups of 3–4 students.

Begin the lesson by introducing the concept of solar eclipses. Explain that a solar eclipse occurs when the Moon passes between the Earth and the Sun, casting a shadow on the Earth. Show students images of different types of solar eclipses (partial, total, annular) and briefly explain each type.

Steps 1–2. Instruct students to look at the solar eclipse images and draw a representation of each type in the appropriate section of their graphing template.

Communicate Information

Once students have completed their graphs, gather them together for a class discussion.

Ask students to share their graphs and explain the differences between the types of solar eclipses. Encourage students to ask questions and discuss any misconceptions. Summarize the main points discussed and clarify any misunderstandings. Display the completed graphs in the classroom for reference throughout the week.

