

Outer Planets

Procedure

1. Use the chart below to record your measurements.

Order in the Solar System	Smallest to Largest	Largest to Smallest

2. **Measure** For each measurement below, use a metric ruler to draw a line of that length on construction paper. Draw another line perpendicular to the first line. Connect the lines to make a circle. Label each circle with the name of the planet it represents.

Jupiter	23 cm
Saturn	19 cm
Uranus	8.2 cm
Neptune	7.6 cm
Pluto	0.4 cm (4 mm)

3. **Use a Model** Cut out and label each planet. Put the model planets in the order they are in the solar system, as listed. Record this data in your chart.

4. Compare Put your model planets in order from smallest to largest. Record the data. Put your model planets in order from largest to smallest. Record the data.

Conclusion

Write the answers to the questions below.

1. Analyze Data Compare your data. Which two sets of data are similar?

2. Infer Refer to the data about planet size on page D57 of your book. What can you infer about the general relationship between planet size and distance from the Sun?

Investigate More!

Research Use the Internet or library sources to find pictures and other information about the outer planets. Use the information to make planet data cards.