

Outer Planets



Procedure

- 1. 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, as shown in your book. 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 (dwarf planet)	0.4 cm (4 mm)

- 2. Use Models** Cut out and label each planet. Put the model planets in the order they are in the solar system, as listed. Record this data.

- 3. Compare** Now put your model planets in order from smallest to largest. Record the data. Now put your model planets in order from largest to smallest. Record the data.

Smallest to largest: _____

Largest to smallest: _____

Conclusion

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

2. **Infer** Refer to the data table on page 39 in your book. What can you infer about the general relationship between planet size and distance from the Sun?

Design an Experiment

Guided Inquiry

Predict the order of the outer planets by weight, from heaviest to lightest. Then use the Internet or the library to find the actual masses. Compare them to your predictions.
