Outer Planets

Procedure

1. Use the chart below to record your measurements.

<table>
<thead>
<tr>
<th>Order in the Solar System</th>
<th>Smallest to Largest</th>
<th>Largest to Smallest</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

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. Draw 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?

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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?

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**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.