Star Gazing

Procedure

1. Cover your desk with cardboard. Place a sheet of black paper over the cardboard. Place a star pattern sheet on top.

2. Use Models Make a star pattern. Use a sharp pencil to poke a small hole through each dot on the star pattern sheet. Push hard enough to make holes in the black paper. Then remove the star pattern sheet.

3. Use Models Place one end of a tube over the star pattern you made. Use the tube to trace a circle on the black paper around the star pattern. Make sure that all of the star pattern is within the circle. Cut out a circle that is slightly larger than the one you traced. Tape it onto one end of the tube.

4. Observe Look through the open end while holding the tube up to the light. Examine the star pattern. Now look through the tube of a classmate with a different star pattern. Use the space below to draw what you see.

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D.10.3 Investigate Record

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Conclusion
Write the answers to the questions below.

1. Compare  How were the two patterns similar? How were they different?

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2. Ask Questions  Write two questions that you could ask a scientist who studies stars.

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Investigate More!

Be an Inventor  Invent a different way to model star patterns. What materials would you use? How would the model work? Use labeled drawings in your description.