

Name _____ Date _____

Star Gazing

Procedure

1. Place a sheet of black paper over a sheet of cardboard. Place a star pattern sheet on top.
2. **Use Models** Make a star pattern. Use a pencil to poke a hole in each dot on the star pattern sheet and 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. **Use Models** While holding the tube up to a light, look through the open end. Draw the star pattern you see.



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Conclusion

1. **Infer** What might cause a real star pattern to change position in the sky during one night?

2. **Predict** Do you think the position of a star pattern would change from season to season? Explain.

Experiment

Guided Inquiry

Bring your star pattern home with you. On a clear night, look for your star pattern in the sky. **Observe** it again several hours later. Record how the star pattern has moved.
