

# CURIOSITY AT HOME

## PATTERN HUNT



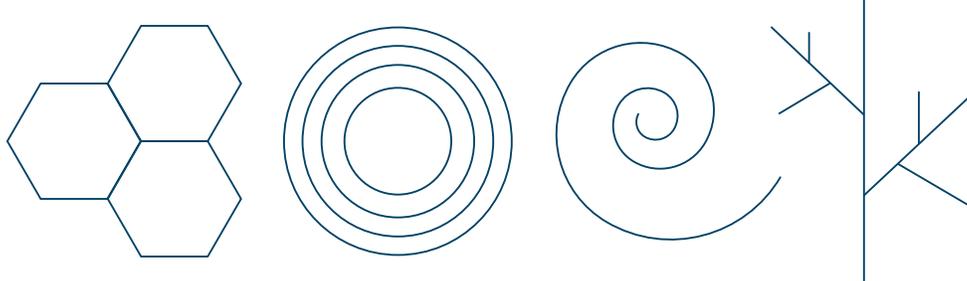
*A pattern is a design that repeats. Mathematicians look for patterns in objects to learn more about that object. Artists, designers, and engineers use patterns within the things they create to make objects look more interesting, or to trick the eye. There are many different types of patterns that are naturally occurring, including those found on trees, snail shells, and in beehives.*

### MATERIALS

- Paper or science notebook
- Pencil

### PROCEDURE

- Go on a nature pattern hunt either around your community or by looking out your window.
- While on your nature pattern hunt, look for these common patterns found in nature:



- Write down or draw in your science notebook the objects where you found these patterns.
- Can you find any other common patterns in nature besides these four? Write or draw those patterns in your science notebook.
- Print the table (on the following page) and glue it to a science notebook page, or copy it into your notebook to keep track of the patterns you find and where you found them!



*Experiment continued on next page...*



Show us how you're being curious! Share your results with us.

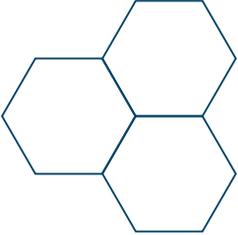
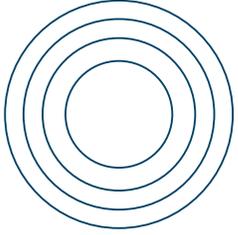
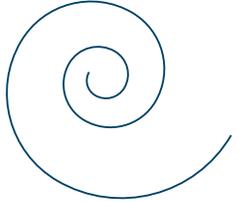
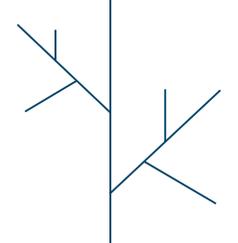
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Pattern	Location(s) Found
	
	
	
	



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## PATTERN HUNT



### K–2 GRADE EXPLORATION

Here are some questions you can explore together.

- Which pattern did you find the most?
- Did you find patterns in similar places or on similar objects?  
Why do you think that is?
- See if you can find a pattern you've never noticed before.  
What does it look like?
- Draw a new pattern of your own design. Have you ever noticed this or a similar pattern in nature? Where might you find that pattern in nature?

#### Resources to Explore More:

- Check out *Fractals for Fun* from the University of Kansas.  
Do you notice any familiar patterns? Any new patterns?  
<https://educationonline.ku.edu/articles/teaching-kids-patterns-in-nature>



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