

Name: \_\_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

## **Snowflakes and Triangles**

An activity of "Why Nature Likes Patterns".

Read the article "Why Nature Likes Patterns" (page 19, What's Up July 2023).

1) Sketch as many patterns as you can find in nature in the table below:

e.g. honeycomb	

2) In a fractal pattern, the same image is repeated smaller and smaller infinitely. Watch the following video about fractals and what a Koch Snowflake is:

## What is a Fractal (and what are they good for)?

<u>https://youtu.be/WFtTdf3I6Ug</u> (MITK12Videos, 11 June 2015)

Follow the instructions to draw a Koch Snowflake.





2) Here is another example of a fractal — the Sierpinski Triangle. Follow the instructions to make one!



Did you get something that looks like this? <u>1920px-Sierpinski\_triangle.svg.png</u> (1920×1663) (wikimedia.org)

You can colour your creations and cut them out to make bookmarks.