

Beehive Structure



Research Activity:

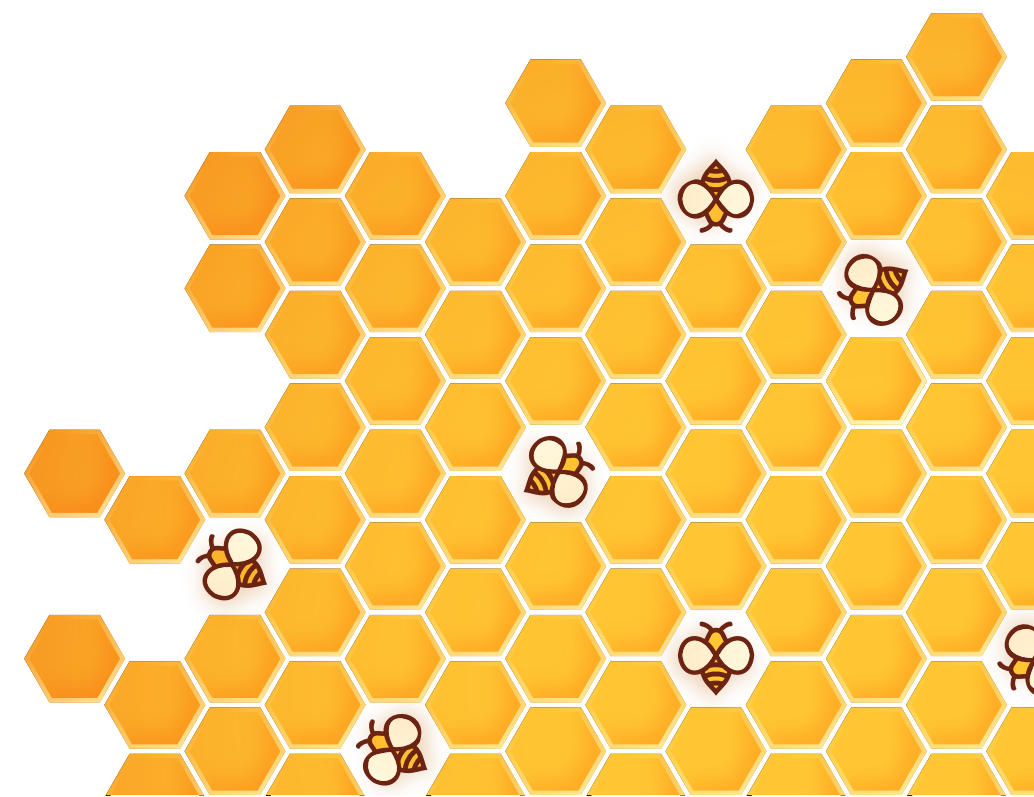
*How do bees
build a hive and
why do they use
hexagons?*

How do bees build a hive?

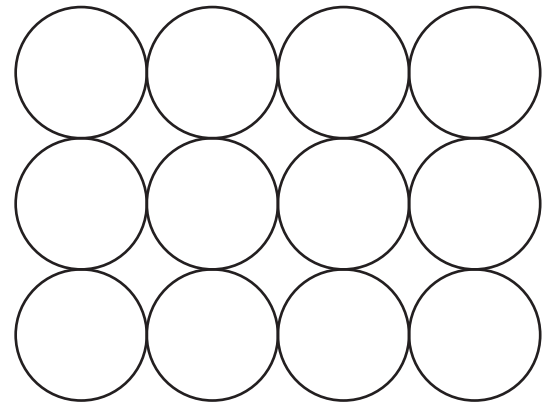
A beehive contains many cells for bee eggs to grow in. What shape are they?

Why do bees choose to build the beehive cells in this pattern?

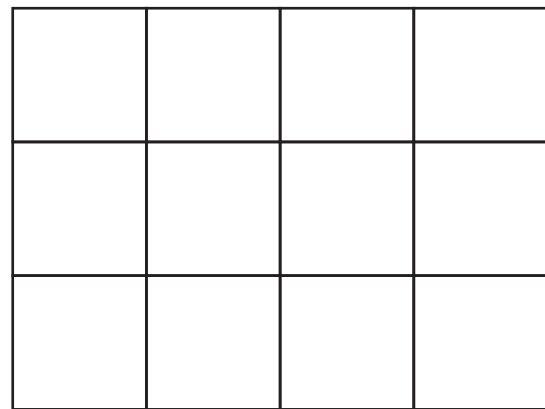
(See next page for clues)



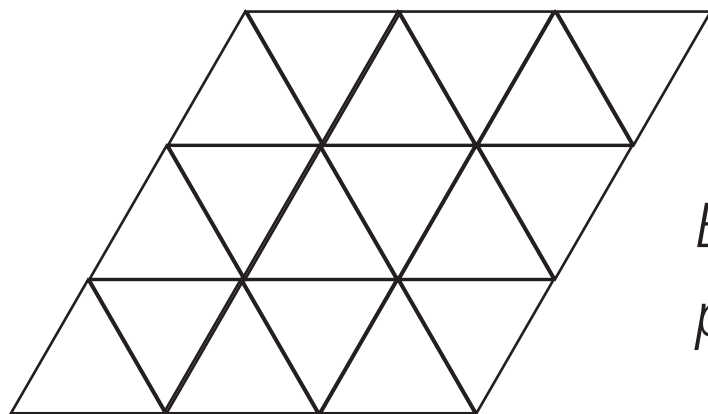
Tessellating Patterns



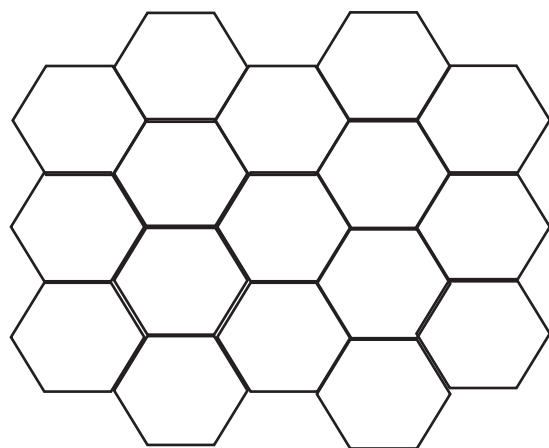
Circles can't be used to make a tessellating pattern because there are gaps between the circles.



Squares can be used to make a tessellating pattern because there are no gaps.



Equilateral triangles can be used to make a tessellating pattern because there are no gaps.



Hexagons can be used to make a tessellating pattern because there are no gaps.

*A **tessellating pattern** is a pattern of two-dimensional shapes that fit perfectly together, without any gaps.*

