

NATURAL vs. SYNTHETIC

Directions: As a class, read the children's book "Natural or Man-made?"
What is the difference between Man-made and synthetic?



After reading the book, write the definitions below.

Definitions:

Synthetic: _____

Natural: _____

In your lab group, divide the items given to you in two piles: Synthetic/Natural. Fill in the chart below listing your items as synthetic or natural.

NATURAL	SYNTHETIC

Questions:

1. Both natural products and synthetic products come from natural resources. Explain why this statement is true.
2. What does it mean if a product is "synthetic"?
3. Some synthetic substances are exactly the same as substances found in nature. Why would scientists synthesize something that already exists? HINT: You Tube Video, "Professor Dave Explains: Will Synthetic Vitamins Make Me Explode?"

List all of your synthetic items in the chart below, then using a chromebook, research the natural resource that these synthetic items come from. Then give an explanation of why we use that item based on its properties.

Synthetic Items	Natural Resources synthetic item comes from	Why do we use that item (based on its properties)
Paper clip	Steel (carbon & iron alloy)	Because it is a durable, flexible metal and inexpensive.