

Name: _____

Extension 1.4ACD Plastics

Watch the following video about how plastic is made... <https://www.youtube.com/watch?v=H4lcgAWcXgE>

From the video, list the 8 steps to produce plastic:


- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

What main natural product is plastic made from?

Directions: You will need to get 14 different plastics (1 at a time). Using the following website, fill in the following table about your 14 plastic items. Please make sure you have at least one of each number of plastic.

<https://www.qualitylogoproducts.com/lib/different-types-of-plastic.htm>

[illegible]

Plastic Item	Plastic number 	Name of Plastic	Abbreviated name of Plastic	Is it safe to put food in this plastic?	Is it recycled, recyclable or both?	List 3 other items that are the same type of plastic.

Questions:

1. What year did the Society of Plastics Industry establish a classification for plastics?
2. What is an SPI code?
3. What type of plastic can absorb odors and flavors?
4. Is it safe to put food products in a plastic container that didn't originally contain food?
5. Which type of plastic is harmful if ingested?
6. Which type of plastic can withstand high temperatures?
7. What type of plastic is styrofoam?
8. What type of plastic takes a lot of energy to recycle?
9. What type of plastic is the most difficult to recycle?
10. List 3 items on YOU or in your backpack that are plastic.