

PUKE POUCH



LAB

CYBER SCIENCE CAMP

MATERIALS & DIRECTIONS

- 2.5 tsp yeast (1 package)
 - 1/2 C warm water (do NOT get it too hot!)
 - 1/2 C breakfast cereal (crumbled up)
 - 1 plastic freezer quart bag
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- Add all ingredients to plastic bag.
 - Mix well.
 - Remove air & let sit for 30-45min.

STUDENT OBSERVATIONS:

- What happened to the plastic pouch?
- What is this process called?
- What caused the observed response?
- Can you list examples of where this process occurs that we use in daily life?

TEACHER KEY:

- What happened to the plastic pouch?
 - It expands & might also pop open! Don't worry – it's not really puke, but it will look similar!
- What is this process called?
 - Alcoholic Fermentation
- What caused the observed response?
 - Carbon dioxide gas produced as a by-product from yeast using the sugar in the cereal as fuel.
- Can you list examples of where this process occurs that we use in daily life?
 - Making breads with yeast, wine & beer making, production of certain biofuels