

The Scoop on Poop



You will need:

- Can of Spaghetti-O's
- Loaf of white bread
- Large mixing bowl
- Potato masher
- Diluted dish soap (mix water and soap together in a cup)
- Blender
- Vinegar
- Sheer panty hose
- Large tray

1. Gather all of your supplies.
2. Cut the legs off of the panty hose so you have two tubes. Cut a slit in the toe of each leg.
3. Pour a can of Spaghetti-O's and a couple pieces of bread in a large mixing bowl.
4. Squirt diluted dish soap into the food. This represents **saliva**.
5. Use the potato masher to squish the food and soap in the bowl until it's a chunky consistency, but not liquid. This represents **mouth chewing**.
6. Pour the contents of the bowl into the blender. Add a small amount of vinegar to represent **stomach acid**. Blend the food until it the consistency of a smoothie, representing **stomach processing**. Be careful not to over blend. You do not want it too liquidy.
7. Hold your panty hose leg open by the large cut out hole over the tray. This represents the **small intestine**. Pour a small amount of the blended food into the panty hose.
8. Squeeze the food down the panty hose to the small cut end. You will notice some of the food contents seeping out of the panty house. This is nutrients your body absorbs from the food passing through your **small intestine**. As the food is pushed further down the panty hose, less food seeps out. Your **large intestine** absorbs any additional nutrients and vitamins from the food passing through until all you are left with is waste that is finally excreted out of the **anus**.



1. Ask a *QUESTION*:

Will food look the same before and after the experiment?

2. My *HYPOTHESIS* (prediction):

- I think the food will look the same before and after the experiment.
 I think the food will not look the same before and after the experiment.

3. My *DATA* – a pictures of the experiment:

4. The *RESULTS*:

- The food looked the same.
 The food looked different.

5. My *CONCLUSION*:

Food travels through the digestive system where it is _____ into smaller and smaller pieces allowing my body to absorb nutrients and get rid of waste.

Please explain anything else you noticed during your experiment that supports the conclusion above: