**Hands-on Digestion**

**Materials**

* Piece of bread
* Safety glove **pharynx** and **esophagus**
* Sandwich bag **stomach**
* Beaker of “**Stomach** **Acid**”
* Beaker of **Digestive** **Enzymes**
* **Intestines -** nylons
* Waste bucket or beaker

**Procedure**

LET’S BEGIN WITH INGESTION!

1. One person is the mouth, have them “chew” the bread up (using their hands). NO FOOD IN ACTUAL MOUTHS!

DIGESTION TIME!

1. Now have another person “swallow” the bread down the esophagus. Put the bread in the glove and squeeze it through the esophagus finger, dumping it into the stomach. Make sure you avoid getting food in the trachea (which causes choking).
2. Get the next person to add the stomach acid and the digestive enzymes to the stomach and mush it all together.

ABSORBTION IS HAPPENING NOW!

1. The next person gets to pour the “chyme” into the intestine. Have them push it through. Notice how the liquid and nutrients are absorbed from the chyme.

EXTRETE THIS STUFF!

1. Squeeze out the waste products into the waste bucket.