



### **Ziploc Digestion Simulator**

**Primary Audience: 3<sup>RD</sup>-5<sup>TH</sup> Grades**

**Description:** Acids in your stomach break down food so they can travel into your intestines.

**Keywords:** Digestion

#### **Materials:**

- Soda pop
- Two crackers (salt free soda crackers work best)
- Ziploc Baggie

**Instructions:** Have the students put two crackers in the bag and crush it up a bit with their hands, simulating the chewing process. Next, pour a little pop into the bag and reseal it. At this point, they should make observations about what is happening to the cracker crumbs (they are getting soggy). Next, have them squish the baggie (first making sure it is zipped VERY well) for a couple of minutes and then make more observations about what has happened to the crackers.

**What's Going On?** Like the soda pop, your stomach is a very acidic environment. The acid eats away at the food and breaks it down in order to send it on to the intestines.