

Do Not Enter



5 minutes

What You Will Do

Demonstrate the digestion process.

Get it Together

- ◆ Coffee filter
- ◆ Spoon
- ◆ 1 tsp. cocoa
- ◆ 1 tsp. sugar
- ◆ 2 clear glasses
- ◆ Water

Procedure

1. Push your finger into the center of the filter to make a funnel shape.
2. Place the funnel in one of the glasses.
3. Fill the second glass about $\frac{1}{4}$ full of water.
4. Add the sugar and the cocoa to the water and stir.
5. Hold the filter in place and slowly pour the liquid into the filter.
6. Observe as the mixture drips into the bottom of the glass.

A Closer Look

The filter traps the undissolved particles of cocoa and prevents them from passing through the tiny openings in the filter. The water and dissolved sugar easily pass through the filter. This same process happens in your body. Digested food passes through the walls of the small intestines in order to reach certain body cells. Undigested food cannot pass through. It is moved into the large intestines and eliminated as solid waste.

