



Make Your Own Biodegradable Plastic From Corn

Directions:

1. Place a tablespoon of **cornstarch** in a **paper cup** or **plastic bag**.
2. Add 2 drops **corn oil** to the cornstarch.
3. Add a tablespoon of **water** to oil and cornstarch.
4. Stir.
5. Add 2 drops **food coloring** to the mixture and stir.

Scientific Observations:

1. What do you notice about your biodegradable plastic?
2. Is your biodegradable plastic the same as other students' plastic?
3. What could you make with this plastic if you let it harden?
4. What products can you think of that are made from a similar plastic?

Extension:

Microwave your plastic for 20-25 seconds on high.

1. What happens to the plastic? _____

2. Form your plastic into a ball and describe what it will do! _____

