

Safety: Wear safety goggles, and be sure to follow all safety instructions given by your teacher. Wash your hands after completing the activity.

ACTIVITY

Question to Investigate:

Do M&Ms and Skittles both dissolve the same amount?

Materials

- 2 clear plastic cups
- 3 or 4 M&Ms
- 3 or 4 Skittles
- Water
- Plastic spoon

Procedure

1. Put enough room temperature water in two clear plastic cups to cover an M&M and a Skittle.
2. Place an M&M and the same color Skittle in each cup.
3. While keeping the cups on the table, gently swirl the cups. Be careful not to spill water out of the cups.
4. Continue to swirl even after you see the chocolate from the M&M and the inside of the Skittle. Observe both candies closely for 2-3 minutes.



1. Describe what was *similar* about how the M&M and the Skittle looked when you swirled them in the cups of water.

Both the M&M and the Skittle _____

2. After the candies were in the water for a while, describe what was *different* about how the M&M and the Skittle looked.

The M&M _____

The Skittle _____

Procedure

1. Look again at what is left from the M&M and the Skittle. Gently swirl the cups to see if the inside of the Skittle has dissolved more than the chocolate from the M&M.
2. Use a plastic spoon to remove the remaining chocolate from the water. Do the same to remove the remaining inside of the Skittle.
3. Place a fresh undissolved M&M next to the M&M that was in the water, and place a fresh undissolved Skittle next to the Skittle that was in the water. Compare to see which candy seems to have dissolved more.



3. We discovered that the chocolate in the M&M _____ in water.
(dissolves / does not dissolve)
4. We discovered that the inside of the Skittle _____ in water.
(dissolves / does not dissolve)