Lesson 3.1 **Name _____**

Activity Sheet

Dissolving is a Property **Date_____**

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: The colored sugar coating seemed to come off the M&M and the Skittle in a similar way.

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

The M&M: When the coating of the M&M dissolved there was the brown chocolate on the inside.

The Skittle: When the coating of the Skittle dissolved there was white substance on the inside.

Procedure

1. Look again at the M&M and the Skittle. Gently swirl them to see if the inside of the Skittle has dissolved more than the chocolate from the M&M.
2. Use a plastic spoon to lift out the chocolate from the M&M and the inside of the Skittle.
3. Place them next to each other so you can see if one has dissolved more than the other.

3. We discovered that the chocolate in the M&M__does not dissolve_in water.
(dissolves / does not dissolve)

4. We discovered that the inside of the Skittle _dissolves_____ in water.
(dissolves / does not dissolve)