

## **Rock-it Science Observations For Winter Lessons 2010**

**Blue Bottle:** This poor bottle turns blue when it gets all shook up. All you have to do is find a way to cure it.

When lye (sodium hydroxide) is mixed with water, it gets hot.

The tiny lye crystals jump and bounce all over the place.

Lye crystals react to static electricity.

If you leave a lye crystal sitting on the table, it absorbs water from the air and creates a droplet.

Corn syrup doesn't pour easily.

Methylene Blue stains skin and clothing really well.

The liquid in the bottle was blue after being shaken.

After awhile, the liquid in the bottle turned clear.

A thin layer right at the surface of the water stayed blue.

The more times we shook it, the faster the liquid turned clear.

The warm bottles turned clear a lot faster than the cold bottles.

The bottles didn't turn clear if they were shaken every few minutes.