

# THE WILLOWS

## SCIENTIFIC METHOD

### QUESTION:

Will the chocolate dissolve into the water and make chocolate water?

### HYPOTHESIS:

If we put the chocolate into the water, then the water might turn to chocolate water.

### VARIABLES:

Independent - Chocolate.  
Dependent - Water

## MATERIALS

Water  
Chocolate  
Cups

### METHOD:

1. Grab 4 plastic cups and four chocolate bars. Then put them on the table in front of you.
2. Pour water into all of the 4 cups.
3. Place one chocolate in one cup and do that for the rest of the chocolates and cups.
4. Watch what happens and record your hypotheses if it was true analyse your results. If false try again.

## Results

The Kit Kat floated on the water.

This is because kit kats are light and small.

The snickers sank and dissolved a tiny tiny bit. This happened because snickers have nuts in them, and nuts sink in water, so the chocolate was weighed down by the nuts. The milky way floated in the water, the milky way did this because they are quite light for a chocolate. The mars bar sank because the caramel is thick and heavy which would have weighed the chocolate down.

### What other experiments could you do to investigate the variables?

We could place 4 skittles into the lemonade and see what happens. We would do this because lemonade has fizzes of gas and skittles don't, so we could see if chocolate and fizziness mix. Maybe the skittles would take that fizziness and create a new type of skittle.

### Was your hypothesis true or false? Explain why/why not...

My hypothesis was not true because the chocolate did dissolve a little but the water was normal water, not chocolate water.

### What changes could you make to your method so your experiment works better?

I could say pour water into each of the four cups evenly until they are a 1/4 filled or until the water just covers the chocolate