What am I investigating?

You need to think of a question for your experiment! Remember to put a question mark on the end!

Example:-
What materials are good conductors of electricity?

I predict that .....

Prediction means think about what is going to happen in your experiment.

Example:-
I predict that ... metal will be a good conductor of electricity.

Because .....

You need to give an answer why you think your prediction is right.

Example:-
because ... metal is used in wires in my home.

I will change.

In every experiment we change 1 thing, this is called the variable.

Example:-
I will change... the materials used in my experiment.

How do I make it a fair test?

A fair test is when we keep everything the same except the variable. (one thing we change)

Example:-
I will change... the materials used in my experiment.

I will measure ....

You will need to say what you are looking for.

Example:-
I will measure ... which materials make the bulbs bright and dim, when I make a circuit.

How will I record my results?

You will need to say what way you will show your results, e.g. table, bar graph, line graph etc.

What happened?

You will need to say in detail what were the results in your experiment?

Example:-
What happened? The materials that were made out of metal, made the bulb light up brightly. However, the materials that were not made out of metal did not make the bulb light at all.

Is there a pattern? If so, describe the pattern.

You will need to see if your results followed a pattern, and if they did say WHY!

Example:-
Is there a pattern. I found that all the metals made the bulb light up, and the non-metals did not.

Are there any results that did not fit the pattern?

You will need to see if any results were odd and did not fit.

Example:-
Are there any results that did not fit the pattern? We tested some pencil lead, and the bulb lit.

Are your results what you predicted?

You need to look at your prediction and see if you were right!

Example:-
Are your results what you predicted?
Yes, metals were good conductors of electricity.

Explain (give reasons for) why you think this happened.

You need to explain why your prediction was right or wrong.

Example:-
All of the materials that were metal made the bulbs light.
All of the materials that weren't metal did not, except for pencil lead.

SCIENCE EXPERIMENTS!

Please read what I have to say about how we write up an experiment!!!!!