

Next you formulate a HYPOTHESIS.

This is an educated guess/prediction based on

background information

gathered from doing research or personal experiences.

* predict using a cause and effect statement (usually if-then statement)

Examples:

I think that the car on the 8cm high ramp will travel the furthest distance from the end of the ramp because it is the option that will have the most potential energy to convert to kinetic energy.

I think that the ice cube with the least amount of salt (1 tsp) will freeze in the shortest period of time because when I add salt to the driveway it doesn't allow the water to freeze as fast.

Now you are going to set up an EXPERIMENT to help solve or answer your question.

- Design the experiment to clearly show a one particular factor causing a certain outcome.
- What is the procedure you will follow?
- What materials would someone need to conduct your experiment