

SCIENCE

EXPERIMENTS





# Science Experiments







# Chapter 1

# **Scientists**



A scientist is someone who works in science.  
Scientists study things carefully.  
We call this research.



Scientists do research.  
They test ideas.  
We call this an experiment.



## Chapter 2

# Steps in an Experiment





Before an experiment, scientists have to ask a question. This gives the scientist an idea for their research. This helps scientists know what they will test.



Next, scientists have to get information. Before they can do an experiment, they have to learn a lot. They read about what they are going to test.



Then, they have to guess what will happen in the experiment. They don't know what will happen. They have to use what they learned to make a good guess.



Now, they have to test their guess.  
We call this the experiment.  
We don't know if their guess is right yet!



Next, they have to write down what happens in the experiment. We call this data. Sometimes scientists look at data in charts or graphs.



The scientists look at the data from the experiment. They decide if their guess was right.



Now their experiment is done.  
Other people don't know about the research!  
Scientists share the data with others.



## Chapter 3

# The Experiment





Let's pretend to be scientists. We will imagine doing an experiment. Why don't we follow the steps to do an experiment?



Before an experiment, we need to ask a question.  
Does an apple sink or float in water?  
Let's do the next step.



We have to learn about what we will test.  
We should read about apples.  
We should read about water.



Now, we need to guess what will happen.  
What do we think will happen?  
We think the apple will sink.



Now we have to test our idea. We will put an apple in water. We need to watch and write down what happens!



The apple floated!  
Let's write it down.  
Our experiment shows that apples float.



Our guess was wrong!  
Apples don't sink.  
We can tell other people about our experiment.



Science experiments are fun.  
We can learn a lot by doing research.  
What other experiments should we try?







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