

data

Information you collect from an experiment.

analyze

To study something closely.

data table

A way to organize and display information that has been collected from an experiment.

bar graph

A graph that uses bars to show information.

model

A copy of something. Scientists create models so they can study things that are very small. *Large example: solar system
*small example: a cell

line graph

A way to organize and display information using horizontal lines; line graphs show changes over time.

hypothesis

An educated assumption.
*Meaning your guess should be reasonable.

prediction

A statement about what you think will happen within the experiment.

investigation

This is what you are doing when you look at a problem in a scientific way and ask questions in order to solve it. This is also called an experiment.

conclusion

A decision made based on knowledge and observations.

observation

When you are using your five senses to learn more about the world.

inference

A conclusion based on prior knowledge and experience.

reasonable

**Something
that makes
sense.**

accurate

**Means
correct**

volume

**How much
space an object
takes up**

weight

**The pull of
gravity on
an object.**