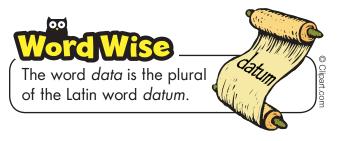
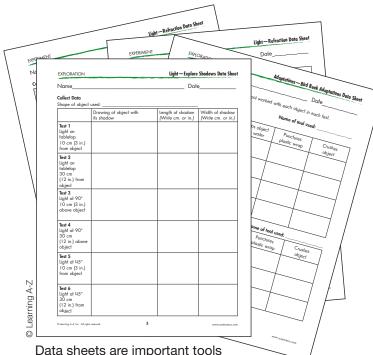
SCIENCE SKILLS



Data are facts you gather as you find out what happens in a science experiment. You don't have to remember all the data. Just use a **data sheet**. You can use numbers, words, or pictures.



Data sheets can help you answer a science research question. You may have noticed how shadows change during the day. How does light change the shape and size of a shadow? You could shine a flashlight on an object from different heights and angles to find out.



Data sheets are important tools for recording data observed in science experiments.

What Is a Data Sheet?



Data sheets may use tables, charts, graphs, diagrams, and sketches. They make it possible to organize the observations from an experiment. How would you write down your **observations** from the shadows experiment? The data sheet has a table with six tests along the left side. After each experiment, you would draw the shadow and record the shadow's length and width.

Data sheets also help you **analyze** your data. What happens to the shadow when the light is further from the object? What happens to the shadow when the angle of the light is increased? These questions help you interpret you data, draw conclusions, and answer your research question.



□ What does the word *data* mean?

- □ How can data be organized on a data sheet?
- □ How do data sheets help you analyze data?