

# How Do Engineers Use the Design Process?

## Science Words

Say each word quietly to yourself. Then read the meaning.

Read the tip to help you remember.

**design process** [dih•ZEYEN PRAHS•es] the process engineers follow to solve problems

*Design* has six letters and five sounds. The *design process* has five steps.



These children are using the design process to solve a problem.

## Science Concepts

Read the Ideas more than once. Do your best to remember them.

1. Engineers follow a design process that has many steps.
2. First, engineers find and explore a problem.
3. The next step is to decide on a solution, make a plan, and build.
4. Taking exact measurements is an important part of creating a design.
5. Then, engineers test their solution and make it better.
6. Part of improving a solution may be to redesign it.
7. The last step in a design process is to communicate the solution to others.
8. Graphs, tables, and drawings are used to communicate the solution.
9. Engineers use this information to help solve problems in other places.
10. Solutions to problems are always being improved upon.