



Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class: \_\_\_\_\_

## Sum It Up!

When you're done, use the answer key to check and revise your work.

Use information in the summary to complete the graphic organizer.

### Summarize

The first step in the design process is to identify a need or a problem to be solved. The next step is to plan and build a prototype. Brainstorming ideas and drawing detailed sketches of potential solutions are important parts of this step. The third step is to test and improve a prototype. After testing, a prototype might need to be redesigned and tested again. A prototype that meets all its design goals is ready for production. The final step in the design process is to communicate to others the details of a working prototype.

**1** The design process starts with identifying a need or problem to be solved.  
\_\_\_\_\_

**3** The third step is to test and improve the prototype.  
\_\_\_\_\_  
\_\_\_\_\_

**5** The final step in the design process is to communicate.  
\_\_\_\_\_

**2** The second step in the design process is to plan and build a prototype.  
\_\_\_\_\_  
\_\_\_\_\_

**4** After testing, a prototype might need to be redesigned and tested again.  
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