Engineering Design

Grade 2 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. Which one is a problem an engineer could solve?

   A cardboard shelf sags when books are put on it.

   The books have blue covers and shiny red pages.

   The shelf is in the corner of the room by the door.

2. The class must fix this: "A cardboard shelf sags when books are put on it." What must the new design do?

   make the shelf taller than before

   use much less tape on it

   hold ten books without bending

3. A team builds a bird feeder from a milk carton. It must stay upright in the wind. The feeder tipped when the wind blew. What should the team try next?

   make it much lighter than before

   cut off the bottom of the carton

   add small stones to the bottom

4. The goal is to hold 6 blocks. Bridge A held 7 blocks. Bridge B held 4 blocks. Which bridge met the goal?

   Bridge A Both bridges Neither bridge

5. Why do engineers test a design?

   to use up all of the materials

   to avoid fixing the problem later

   to see if it solves the problem

6. Which one is a problem an engineer could solve?

   The feeder is yellow and has a round hole.

   A bird feeder tips over in the wind.

   The bird feeder is made from a milk carton.

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Answer Key - Grade 2 Science Worksheet - Building Confidence

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