Engineering Design

Grade 2 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

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

   The tower is tall and thin and light.

   A paper tower falls over when a fan blows.

   The fan is on the desk across the room.

2. The class must fix this: "Rain washes soil off a garden slope." What must the new design do?

   keep the soil in place

   water the garden more every day

   move the fence closer to the garden

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 taller than it is now

   add small stones to the bottom

   make it much lighter than before

4. The goal is to hold 8 books. Design A held 5 books. Design B held 9 books. Which design met the goal?

   Design B Neither design Both designs

5. Why do engineers tell others what they learned?

   so the problem gets bigger and bigger

   so the next test is much longer

   so others can use or improve the idea

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

   The wind makes a sound in the trees.

   The table is outside near the door.

   Lunch cards blow away outside.

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Answer Key - Grade 2 Science Worksheet - Building Confidence

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