Engineering Design

Grade 2 Science Worksheet

Name _____ Date _____

Circle the answer.

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

   The seed cups are on a shelf by the window.

   Seed cups dry out over the weekend.

   The cups are small and made of paper.

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

   Neither design Design A Design B

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?

   add small stones to the bottom

   make it much lighter than before

   make it taller than it is now

4. Which shows the steps engineers follow, in order?

   find the problem → plan a design → build it → test it

   find the problem → build it → plan a design → test it

   test it → build it → plan a design → find the problem

5. The goal is to stand up in the wind. The tower fell after three seconds of wind. Did the design meet the goal?

   Yes, because it looks good.

   Yes, because it was built carefully.

   No, it needs to be improved.

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

   The lunch cards are white and flat.

   Lunch cards blow away outside.

   The table is outside near the door.

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Answer Key - Grade 2 Science Worksheet

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