Engineering Design

Grade 2 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

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

   Lunch cards blow away outside.

   The wind makes a sound in the trees.

   The table is outside near the door.

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

   water the garden more every day

   keep the soil in place

   move the fence closer to the garden

3. A team wants to keep lunch cards on an outdoor table when the wind blows. The wind blew the cards off the table. What should the team try next?

   put a heavy clip or weight on the cards

   use much lighter paper for the cards

   move the table out into the windy yard

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

   Both designs Design B Neither design

5. Why do engineers change a design after a test?

   to forget the problem for now

   to make the goal harder to reach

   to fix what did not work

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

   Rain washes soil off a garden slope.

   Rain makes the grass wet and green.

   The slope has a garden on one side.

Scan to get this marked free. No screen time for your child.
Print it · do it in pencil · scan it · PencilGo picks the next sheet.

Engineering Design

Answer Key - Grade 2 Science Worksheet - Building Confidence

Circle the answer.

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

   Lunch cards blow away outside.

   The wind makes a sound in the trees.

   The table is outside near the door.

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

   water the garden more every day

   keep the soil in place

   move the fence closer to the garden

3. A team wants to keep lunch cards on an outdoor table when the wind blows. The wind blew the cards off the table. What should the team try next?

   put a heavy clip or weight on the cards

   use much lighter paper for the cards

   move the table out into the windy yard

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

   Both designs Design B Neither design

5. Why do engineers change a design after a test?

   to forget the problem for now

   to make the goal harder to reach

   to fix what did not work

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

   Rain washes soil off a garden slope.

   Rain makes the grass wet and green.

   The slope has a garden on one side.