Engineering Design

Grade 2 Science Worksheet

Name _____ Date _____

Circle the answer.

1. Which one is a problem an engineer could solve?
   Birds like to eat seeds in the morning.
   A bird feeder tips over in the wind.
   The bird feeder is made from a milk carton.

2. The goal is to keep 10 cards on the table. Clip A kept 10 cards. Clip B kept 10 cards. Which clip met the goal?
   Neither clip Clip A only Both clips

3. A team wants the soil in a seed cup to stay damp all weekend, with no one there to water it. They have one cup of water. The soil was dry by Sunday. What should the team try next?
   take all of the seeds out of the cup
   pour out half of the water in the cup
   cover the cup, leaving a small hole for air

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

5. The goal is to hold eight blocks. Bridge A held five blocks and sagged. Did the design meet the goal?
   Yes, because it looks good.
   No, it needs to be improved.
   Yes, because it was built carefully.

6. Which one is a problem an engineer could solve?
   A paper tower falls over when a fan blows.
   The paper tower is white and very tall.
   The tower is tall and thin and light.

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Answer Key - Grade 2 Science Worksheet

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