Engineering Design

Grade 2 Science Worksheet

Name _____ Date _____

Circle the answer.

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

   The wind makes a sound in the trees.

   Lunch cards blow away outside.

   The lunch cards are white and flat.

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?

   Clip A only Neither clip Both clips

3. A team tests a garden slope with a watering can for rain. They want to keep the soil in place. Soil still washed down to the bottom of the slope. What should the team try next?

   take out all of the plants there

   make the slope steeper than before

   add plants or rocks across the slope

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

   ask questions → draw a plan → build a model → test the model

   test the model → build a model → draw a plan → ask questions

   draw a plan → ask questions → build a model → test the model

5. The goal is to hold eight blocks. Bridge A held five blocks and sagged. Did the design meet the goal?

   No, it needs to be improved.

   Yes, because it was built carefully.

   Yes, it met the goal.

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

   A paper bridge sags under blocks.

   The bridge is on a table in the room.

   The bridge is made of two sheets of paper.

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Answer Key - Grade 2 Science Worksheet

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