Forces and Motion

Grade 3 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. A book slides across rough carpet and slows down. Which force slows the book?

   magnetism friction gravity

2. You let go of a ball. Which force makes it fall to the ground?

   magnetism gravity friction

3. Two kids pull a rope with the same force in opposite directions. What happens to the rope?

   it does not move

   it moves toward the right kid

   it moves toward the left kid

4. A cart is pushed harder than before. What happens?

   it stays still it speeds up more it slows down

5. A swing goes back and forth again and again. What can you predict?

   it will stop at the top and stay there

   it will swing in a circle

   it will come back to the same side

6. Which is a pull?

   pressing a doorbell

   opening a drawer toward you

   kicking a ball away

7. A soccer ball is rolling. A player kicks it from the side. What happens?

   it changes direction

   it keeps rolling the same way

   it rolls back toward the kicker

8. A heavy box does not move when you push it gently. What does this show?

friction is as strong as your push

there is no force on the box

gravity pushes the box sideways

9. Which makes a toy car roll farther on the same floor?

a harder push

a softer push

a heavier car with the same push

10. A ball is rolled with the same push on grass and on a smooth floor. Where does it roll farther?

on the grass the same on both on the smooth floor

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Answer Key - Grade 3 Science Worksheet - Building Confidence

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