Forces and Motion

Grade 3 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. A ball is thrown straight up. What happens next?

   it keeps going up forever

   it stays up in the air

   it slows, stops, then falls back down

2. One tug-of-war team pulls harder than the other. What happens?

   the rope stays still

   the rope moves toward the weaker team

   the rope moves toward the stronger team

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

   magnetism gravity friction

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

   magnetism friction gravity

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

   it moves toward the right kid

   it does not move

   it moves toward the left kid

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

   it speeds up more it slows down it stays still

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

   it will stop at the top and stay there

   it will come back to the same side

   it will swing in a circle

8. Which is a pull?

kicking a ball away

pressing a doorbell

opening a drawer toward you

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

it rolls back toward the kicker

it keeps rolling the same way

it changes direction

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

friction is as strong as your push

gravity pushes the box sideways

there is no force on the box

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Answer Key - Grade 3 Science Worksheet - Building Confidence

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   magnetism gravity **friction**

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