Forces and Motion

Grade 3 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. 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

2. Which is a pull?

   pressing a doorbell

   opening a drawer toward you

   kicking a ball away

3. 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

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

   gravity pushes the box sideways

   there is no force on the box

   friction is as strong as your push

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

   a heavier car with the same push

   a softer push

   a harder push

6. 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

7. A dog pulls a sled with a rope. Which way does the sled move?

away from the dog toward the dog it does not move

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

it stays up in the air

it slows, stops, then falls back down

it keeps going up forever

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

the rope moves toward the weaker team

the rope stays still

the rope moves toward the stronger team

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

friction gravity magnetism

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Answer Key - Grade 3 Science Worksheet - Building Confidence

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