Forces and Motion

Grade 3 Science Worksheet - Building Confidence

Name _____ Date _____

Circle the answer.

1. 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

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

   a heavier car with the same push

   a harder push

   a softer push

3. 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

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

   away from the dog it does not move toward the dog

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

   it keeps going up forever

   it slows, stops, then falls back down

   it stays up in the air

6. 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

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

magnetism gravity friction

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

friction gravity magnetism

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

it moves toward the left kid

it moves toward the right kid

it does not move

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

it speeds up more it slows down it stays still

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Answer Key - Grade 3 Science Worksheet - Building Confidence

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