



# Force & Motion

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 2

## Part A: Multiple Choice

Circle the best answer for each question.

1. A ball rolls toward a wall. What will the wall most likely do?

- A) speed the ball up
- B) stop the ball or change its direction
- C) make the ball heavier
- D) turn the ball into a cube

2. Which surface will let a toy car roll the farthest?

- A) thick carpet
- B) grassy lawn
- C) smooth wood floor
- D) sandy beach

3. Why is it easier to push a heavy box up a ramp than lift it?

- A) the box gets lighter
- B) a ramp removes gravity
- C) the ramp needs less force at one time
- D) a ramp adds more friction

4. You push a toy car to the right. It hits a book and bounces left. What changed?

- A) the car's color
- B) the car's direction
- C) the car's size
- D) the car's shape

## Part B: Fill in the Blank

Write the correct answer on each line.

1. A ramp makes moving heavy loads easier by spreading out the \_\_\_\_\_ needed.
2. Wheels help loads move by replacing sliding with \_\_\_\_\_.
3. If a ball is rolling and nothing pushes or pulls it, friction will make it \_\_\_\_\_.
4. A push from the side can change the \_\_\_\_\_ a ball is moving.
5. The steeper a slide is, the \_\_\_\_\_ a kid will go down it.

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**Part B: Fill in the Blank**

Write the correct answer on each line.

1. A ramp makes moving heavy loads easier by spreading out the force needed.
2. Wheels help loads move by replacing sliding with rolling .
3. If a ball is rolling and nothing pushes or pulls it, friction will make it stop .
4. A push from the side can change the direction a ball is moving.
5. The steeper a slide is, the faster a kid will go down it.