



Forces and Motion

Name: _____

Date: _____

Grade: Grade 3

Part A: Multiple Choice

Circle the best answer for each question.

1. Which surface pair has the highest friction in Grade 3 Science?

- A) Rubber sneaker on pavement
- B) Ice skate on ice
- C) Sock on polished wood
- D) Marble on glass

2. Which pair shows the LOWEST friction for Grade 3 learners?

- A) Sneaker on carpet
- B) Tire on gravel
- C) Ice skate on ice
- D) Chalk on sidewalk

3. What happens to a rolling ball on a rough carpet in Grade 3 experiments?

- A) It speeds up forever
- B) Friction slows it down
- C) Gravity pushes it up
- D) It floats away

4. Why do car tires have deep grooves in Grade 3 Science lessons?

- A) To look pretty
- B) To reduce friction on dry roads
- C) To increase friction and grip
- D) To make the car lighter

Part B: Fill in the Blank

Write the correct answer on each line.

1. Friction is a force that _____ motion between two surfaces.
2. Rubber on pavement creates _____ friction in Grade 3 lessons.
3. Ice on ice creates _____ friction, so skaters glide easily.
4. Sandpaper has a _____ surface that increases friction.
5. Without friction, it would be hard to _____ or stop walking.

Part A: Multiple Choice

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1. Which surface pair has the highest friction in Grade 3 Science?

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4. Why do car tires have deep grooves in Grade 3 Science lessons?

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- C) To increase friction and grip**
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Part B: Fill in the Blank

Write the correct answer on each line.

1. Friction is a force that opposes motion between two surfaces.
2. Rubber on pavement creates high friction in Grade 3 lessons.
3. Ice on ice creates low friction, so skaters glide easily.
4. Sandpaper has a rough surface that increases friction.
5. Without friction, it would be hard to start or stop walking.