

Grade 4 Science Worksheet:4 (DifficultyLevel: Easy)

Name: _____ | Date: _____

Section 1: Multiple Choice Questions

Circle the correct answer:

1. Which of these forces is responsible for keeping us on the ground?
 - a) Friction
 - b) Gravity
 - c) Air resistance
 2. What type of force is used when you drag a chair across the floor?
 - a) Pull force
 - b) Friction
 - c) Magnetic force
 3. Which of the following is an example of a push?
 - a) Pulling a rope in a tug-of-war game
 - b) Closing a door with your hand
 - c) Picking up a bag of books
 4. What is the force that slows down a falling parachute?
 - a) Air resistance
 - b) Gravity
 - c) Magnetic force
 5. Which of these objects uses magnetic force?
 - a) A fan
 - b) A magnet picking up nails
 - c) A falling apple
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Section 2: Fill in the Blanks

1. _____ is the force that pulls objects down toward the Earth.
2. _____ is the force that slows down objects when they slide across each other.
3. When we push or pull an object, we apply a _____.
4. _____ force can either attract or repel certain materials like iron.
5. The resistance felt by objects moving through air is called _____.

Section 3: Match the Forces with Actions

Forces:

1. Gravity
2. Friction
3. Push
4. Magnetic force
5. Air resistance

Actions:

- a) Kicking a soccer ball
 - b) A falling apple hits the ground
 - c) A toy car stops moving on a rug
 - d) A kite slows down in the sky
 - e) A magnet attracts paperclips
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Section 4: True or False

1. Air resistance helps objects fall faster.

 2. Gravity works in outer space.

 3. Friction is stronger on smooth surfaces than on rough surfaces.

 4. Magnets can repel as well as attract objects.

 5. A force can make an object change its shape.

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Section 5: Short Answer Questions

1. What is friction, and how does it help us when we walk?

2. Can you name a situation where gravity is useful?

3. Why do objects with sharp edges feel harder to slide across a surface?

4. How can you stop a moving toy car without using your hands?

5. Why do astronauts float in space?

Section 6: Identify the Forces

Write which force is acting in the following scenarios:

1. A leaf falling to the ground: _____
2. A magnet pulling a nail: _____
3. A person sliding on a smooth floor: _____
4. A bird flying against the wind: _____
5. A rocket launching into space: _____

Section 7: Creative Thinking

Imagine you are designing a spaceship. How would you reduce air resistance when it flies through Earth's atmosphere?
