

## Grade 4 Science Worksheet:3 (DifficultyLevel: Easy)

### Section 1: Multiple Choice Questions

Choose the correct answer:

1. Which of the following is an example of a pull force?
    - a) Kicking a ball
    - b) Opening a door
    - c) Lifting a book
  2. What force causes your bike to slow down when you stop pedaling?
    - a) Magnetic force
    - b) Friction
    - c) Gravity
  3. What type of force makes objects fall to the ground?
    - a) Friction
    - b) Magnetic force
    - c) Gravity
  4. Which force allows planes to stay in the air?
    - a) Gravity
    - b) Lift
    - c) Friction
  5. What kind of force do magnets use?
    - a) Push and pull force
    - b) Gravity
    - c) Air resistance
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### Section 2: Fill in the Blanks

1. A \_\_\_\_\_ is a push or a pull that can change the motion of an object.
  2. The force that pulls objects toward the Earth is called \_\_\_\_\_.
  3. \_\_\_\_\_ is the force that slows down objects when they rub against each other.
  4. The upward force that helps planes fly is called \_\_\_\_\_.
  5. Magnets can \_\_\_\_\_ and \_\_\_\_\_ certain objects.
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### Section 3: Match the Forces

Match each force to its real-life example:

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

**Examples:**

- a) A soccer ball rolling on grass stops eventually.
  - b) A magnet pulling paperclips toward it.
  - c) A person pushing a door to close it.
  - d) A skydiver slowing down due to a parachute.
  - e) A leaf falling to the ground from a tree.
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**Section 4: True or False**

1. Gravity only works on Earth.  
\_\_\_\_\_
  2. Friction helps objects move faster.  
\_\_\_\_\_
  3. Air resistance slows down falling objects.  
\_\_\_\_\_
  4. Magnets can attract metal objects.  
\_\_\_\_\_
  5. A force is always visible.  
\_\_\_\_\_
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**Section 5: Short Answer Questions**

1. What happens when you try to slide a book across a table? Why does it stop?  
\_\_\_\_\_
  2. What is gravity? Give one example of how it works.  
\_\_\_\_\_
  3. Why do you think friction is important for walking?  
\_\_\_\_\_
  4. Can you name two objects that are affected by magnetic force?  
\_\_\_\_\_
  5. What would happen if there was no air resistance?  
\_\_\_\_\_
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## Section 6: Force Scenarios

### Read and Answer:

1. You see a rock rolling down a hill. What force is making it move faster?  
\_\_\_\_\_
  2. A magnet is stuck to your fridge. What type of force is being used?  
\_\_\_\_\_
  3. When a toy car stops moving, what force is acting on it?  
\_\_\_\_\_
  4. When you blow up a balloon and let it go, it flies away. What force pushes it?  
\_\_\_\_\_
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## Section 7: Experiment Time

### Activity:

Think about how friction works. Write or draw how you would test the friction of different surfaces using a toy car.

- Surfaces to test: Smooth table, carpet, sandpaper
  - Observe which surface makes the car slow down the most!
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Get ready to discover forces all around you every day! ✨