Force & Motion

Name: _____ Date: _____ Grade: Grade 2

Part A: Multiple Choice

Circle the best answer for each question.

1. A parachute opens above a toy figure as it falls. Why does the toy fall more slowly with the parachute?

- ◯ A) The parachute adds weight to pull it down
- ◯ B) Air pushes up on the parachute, slowing the fall
- ◯ C) Gravity stops working when the parachute opens
- ◯ D) The parachute makes the toy heavier than air

2. On a swing set, a child needs a friend to give a push to start swinging. What two forces keep the swing moving back and forth?

- ◯ A) Magnetism and friction
- ◯ B) Gravity pulling down and a push giving it speed
- ◯ C) Air pressure and electricity
- ◯ D) Sound waves and heat

3. When a rider squeezes the brake levers on a bike, the wheels slow down. What causes the slowing?

- ◯ A) Magnets inside the wheels
- ◯ B) Friction between brake pads and wheel
- ◯ C) Gravity pulling the wheels down
- ◯ D) Air resistance on the rider's helmet

4. A skydiver who closes their parachute mid-fall will MOST LIKELY do what?

- ◯ A) Speed up because air resistance drops
- ◯ B) Stop falling immediately
- ◯ C) Stay at the same speed forever
- ◯ D) Fly upward into the sky

Part B: Fill in the Blank

Write the correct answer on each line.

1. The force that pulls a swing back down toward the ground is _____ .

2. Air pushing back on a moving parachute is called air _____ .

3. Bike brakes work because of _____ between the pads and the wheel.

4. On a swing, a bigger push gives the child more _____ to swing higher.

5. Without air resistance, a falling object would speed _____ as it falls.

Part A: Multiple Choice

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1. A parachute opens above a toy figure as it falls. Why does the toy fall more slowly with the parachute?

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Part B: Fill in the Blank

Write the correct answer on each line.

1. The force that pulls a swing back down toward the ground is **gravity** .
2. Air pushing back on a moving parachute is called air **resistance** .
3. Bike brakes work because of **friction** between the pads and the wheel.
4. On a swing, a bigger push gives the child more **energy** to swing higher.
5. Without air resistance, a falling object would speed **up** as it falls.