

Nova's Forces Fun Quiz

Learning objective: To identify and describe the effects of forces including friction, air resistance, and magnets.

Read each question carefully. Use the word bank to help you. Fill in the blanks or circle the right answer.

Answer Key: 1. A (push), 2. True, 3. True, 4. B (friction), 5. False, 6. Gravity, 7. C (magnet), 8. Pull, 9. Air resistance, 10. True.

Word bank: friction · magnet · gravity · push · pull · air resistance

1. 1. When you kick a ball, you are using a: A) push* B) pull C) magnet (1 mark)

2. 2. True or False: Forces can change the shape of an object. (1 mark)

3. 3. True or False: Gravity pulls things towards the ground. (1 mark)

4. 4. What force slows down a toy car on a carpet? A) Gravity B) Friction* C) Magnetism (1 mark)

5. 5. True or False: Magnets only attract plastic objects. (1 mark)

6. 6. What is the name of the force that keeps our feet on the floor? (Write one word) (1 mark)

7. 7. Which object uses an invisible force to attract metal? A) A book B) A feather C) A magnet* (1 mark)

8. 8. When you open a heavy door, do you push or pull it? (1 mark)

9. 9. What force acts against a falling parachute? (Write two words) (1 mark)

10. 10. True or False: A rough surface creates more friction than a smooth surface. (1 mark)

Draw: Draw a picture of Nova the Owl dropping a feather. Draw an arrow showing which way gravity is pulling the feather.



Extension challenge: Think of a game you play. Can you name one push and one pull you use while playing it?