



These Silver questions extend force knowledge to comparing effects and simple explanations.

Name: _____ Date: _____

Section A: Gravity & Weight

1. Explain the difference between mass and weight.

2. Would your weight be different on the Moon? Why?

3. Why do heavier and lighter objects fall at roughly the same speed without air resistance?

4. Explain why astronauts appear to float in space.

5. Give two examples of how gravity affects everyday life.

Section B: Resistance & Friction

1. Explain why a cyclist wears a streamlined helmet.

2. Why does a sheet of paper fall slower than a crumpled-up ball of the same paper?

3. Explain why swimming is harder work than walking the same distance.

4. Give two examples of friction being a problem, and one way to reduce it.

5. Why do cars have treaded tyres instead of smooth ones?

