

GCS Grade 7 Science Unit F Study Guide Newton's Laws

1. What is a force?
2. What is Newton's First Law?
3. Provide an example of Newton's First Law.
4. What is inertia? Can an object's inertia change?
5. Which has more inertia? A bowling ball or a whiffle ball? Why?
6. What is Newton's Second Law?
7. If an object has a mass of 50 kg and is accelerating at 2m/s/s , what is the force it will exert?
8. What is Newton's Third law of motion?
9. Provide an example of Newton's third law.
10. What is a balanced force?
11. What is an unbalanced force?
12. If an object is stationary, all forces must be _____.