

Disney: Newton's 3 Laws

1. A force is a push or pull on an object that results from its interaction with another object. **(TRUE or FALSE)**
2. Only large objects with mass have gravity. **(TRUE or FALSE)**
3. The combined effect of all forces acting on an object is the _____ force.
4. Velocity is an object's speed and _____.
5. When the forces acting on an object are unbalanced, the object will _____.
6. Acceleration is a change in _____.
7. The 17th century scientist who studied force and motion was _____.
8. Newton's first law applies when forces are _____.
9. Newton's second law is often expressed as the formula _____.
10. Newton's second law applies any time you're trying to accelerate an object. **(TRUE or FALSE)**
11. The more mass an object has, the less force is needed to accelerate it. **(TRUE or FALSE)**
12. Newton's third law says: "For every action, there is an equal and opposite reaction." **(TRUE or FALSE)**
13. Once an object is moving, it doesn't need a force to keep it moving; it needs a force to make it stop moving. **(TRUE or FALSE)**
14. The resistance of an object to a change in motion is called _____.
15. All objects have momentum when they're in motion. **(TRUE or FALSE)**