

Name - _____

Start time - __ : __

End time - __ : __

Describe the relationship between force, mass, and acceleration as described by Newton's Second Law.

Circle whether the following statements are true or false:

1. According to Newton's First Law of Motion, an object will remain at rest unless acted upon by an unbalanced force. (True/False)
2. Newton's Second Law of Motion states that force equals mass times acceleration. (True/False)
3. According to Newton's Third Law of Motion, for every action, there is an equal and opposite reaction. (True/False)
4. If you push against a wall with a force of 50 N, the wall pushes back with a force of 50 N. (True/False)

Provide examples of situations where an object at rest and an object in motion demonstrate Newton's First Law.

Explain why action and reaction forces do not cancel each other out.
