

# Physics 1114 - General Physics I

Quiz #7 - 2012.06.14

Solutions

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1. State Newton's First Law.

An object traveling in a straight line with a constant velocity will continue to do so unless acted upon by an external force.

2. State Newton's Second Law.

The sum of all forces acting upon an object equals the product of the mass of the object and the object's acceleration.

3. State Newton's Third Law.

Mutual actions of two objects upon each other are always equal in magnitude and opposite in direction.