**Newton’s First Law**

**Law of Inertia:**

**Inertia:**

An objects inertia is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ proportional to its mass.

*Examples of Newton’s First Law:*

**In space:**

**In Cars, Carts, Trains, Etc.:**

**In Circular Motion:**

**Summary**

An object in motion will

An object at rest will

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