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Newton's Laws of Motion

1. The Law of Inertia
An object at rest stays at rest,
unless an outside force acts on it.

2. The Law of Acceleration
The force acting on an object is equal to the mass of the object multiplied by its acceleration.
 $\text{Force} = \text{mass} \times \text{acceleration}$
A heavier object needs more force to accelerate.

3. The Law of Action and Reaction
For every action there is an equal and opposite reaction.
For every action there is an equal and opposite reaction.

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t s i v t s a

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For every action there is an equal

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An object in motion keeps moving at the same speed in the same direction, unless an outside force acts on it.

Newton's Laws of Motion

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and an object in motion keeps
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2. The Law of Acceleration

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Newton's Laws of Motion

Copy all three of Newton's laws of motion in your best handwriting.



I. The Law of Inertia

An object at rest stays at rest,

and an object in motion keeps

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same direction, unless an outside

force acts on it.

2. The Law of Acceleration

The force acting on an object

equals its mass times its

acceleration.

$\text{Force} = \text{mass} \times \text{acceleration}$

A heavier object needs more force
to speed it up the same amount.

3. The Law of Action and Reaction

For every action there is an equal
and opposite reaction. When one
object pushes on another, the
second object pushes back just as
hard.

Newton's Laws of Motion



1. T L o I

A o a r s a r ,

a a o i m k

m a t s s i t

s d , u a o

f a o i .

2. T L o A

T f a o a o

e i m t i

a .

F = m x a

A h o n m f

t s i u t s a .

3. T L o A a R

F e a t i a e

a o r . W o

o p o a , t

s o p b j a

h .

Newton's Laws of Motion



1.

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2.

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Handwriting practice lines with a period (.) on the top line.

3.

Handwriting practice lines with a period (.) on the top line.

Handwriting practice lines with a comma (,) on the top line.

Handwriting practice lines with a period (.) on the top line.

Newton's Laws of Motion



1. The Law of Inertia

An object at rest stays at rest, and an object in motion keeps moving at the same speed in the same direction, unless an outside force acts on it.

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1. T L o I

A o a r s a r, a a o i m k m a
t s s i t s d, u a o f a o i.

2. T L o A

T f a o a o e i m t i a.

$F = m \times a$

A h o n m f t s i u t s a.

3. T L o A a R

F e a t i a e a o r. W o o p o
a, t s o p b j a h.