

Force and Motion Notes

Motion

What is <u>motion</u> ?	
How do you know something has moved?	
What causes an object to move?	
What is a <u>force</u> ?	
Can more than one force act on an object at the same time? Give Examples	

Balanced Forces

- A balanced force is one in which the net force _____.
- Is there any motion?
- Examples:

Unbalanced Forces:

- An unbalanced force is one in which the net force is _____.
- Is there any motion?
- Examples:
- Only an _____ force can change the motion of an object.
- What would happen if an unbalanced force acted on an object that's already in motion?

Unbalanced forces can act in the _____ direction.

- Example:
- How do you get the NET FORCE?
- What direction does the object move?

Unbalanced forces can act in _____ directions.

- Example:
- How do you get the NET FORCE?
- What direction does the object move?

Mass and Inertia

Newton's 1st Law: The Law of Inertia

- What does it say?

Inertia

- What is it?
- Example:

Mass

- The mass of an object affects its' _____.
- Objects with more mass have _____ inertia than an object with a smaller mass.
- Examples:

Friction and Gravity

What is friction?

When does it occur?

What happen to the object when friction acts on it?

What affects the amount of friction?

What is gravity?

The amount of gravity depends on two things:

Examples: