**Force**

* a \_\_\_\_\_\_\_\_\_\_\_\_ or\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that one body exerts on another

What forces are being exerted on the football?



**Balanced Forces**

* forces acting on an object that are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in direction and \_\_\_\_\_\_\_\_\_\_\_\_\_ in size
* no change in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Net Force**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ forces that are not \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ changes (object \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Newton’s First Law of Motion**

* An object at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ will remain at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and an object in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_will continue \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_at a constant velocity unless acted upon by a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_force.

**Inertia**

* tendency of an object to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ any change in its motion
* increases as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ increases
* **Friction**
  + force that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ motion between 2 surfaces
  + depends on the:
    - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of surfaces
    - force between the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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