***Chapter 7 Lesson 2***

***Forces Affect Motion***

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***Terms:***

***Acceleration:*** a change in the speed or direction of a moving object

***Force***: a push or a pull that can move a still object or stop a moving object

***Friction:*** the type of force when the surfaces of 2 objects touch

***Gravity:*** the force that pulls objects together

***Inertia:*** the physical property that keeps an object in motion or an object at rest

***Notes:***

***How do forces change motion?***

\*Force can STOP a moving object or cause it to MOVE.

\* an object in motion can stay in motion b/c of **inertia**

\* an object can also stay at rest because of **inertia**

**\*** all objects with mass have inertia

\* acceleration is the change in **speed** or **direction** of a **moving object**

\* something in motion can be **stopped** due to **friction**

***Gravity***

\***Gravity** is the pull of something to another

\* the pull is affected by the amount of **matter** in the object and the **distance** between them