Chapter 12: Forces in Motion Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Study Guide Physical Science

Know the Vocabulary

What are Forces?

Balanced Forces

Unbalanced Forces

What is Friction? Know the types of friction.

Newton’s 1st Law of Motion

Newton’s 2nd Law of Motion (Formula: acceleration = force/mass)

Newton’s 3rd Law of Motion

Know the difference between Mass and Weight

Formula for Weight = mass x acceleration due to gravity (9.8 m/s2)

What is Momentum? (Formula: Momentum = mass x velocity)

What is the Law of Conservation of Momentum?

Know the four fundamental forces of nature. (electromagnetic, strong, weak, gravity)

Mass and Distance are determining factors for the strength of gravity