

1. **Sir Isaac Newton- English scientist and mathematician famous for his discovery of the law of gravity**
2. **“An object at rest will remain at rest and an object in motion will remain in motion unless acted upon by an outside force**
3. **Force- is any push or pull which causes something to move or change its speed or direction**
4. **Forces can be balanced or unbalanced**
5. **Balanced forces are equal in size and opposite in direction and result in no change.**
6. **Unbalanced forces are not equal and opposite in direction and result in a change.**
7. **Inertia- is the tendency of an object to resist changes in its state of motion.**
8. **Mass- is the measure of the amount of matter in an object; It is measured in Kilograms.**
9. **Friction- is a force that opposes motion between 2 surfaces.**
10. **Air Resistance- the force of air exerted on a falling object. The air pushes up as gravity pulls down.**
11. **Gravity- attraction force between all masses. The amount of gravitational force depends upon the mass and the distance between the objects.**
12. **The greater the mass…. the greater the force of gravity…. the greater the inertia the object is said to have.**

As you read through the information in the PowerPoint, complete the sentences below with the vocabulary list.

Notes Worksheet