



Weight: The heaviness of an object and the downward force it affects. Weight is affected by gravity.

Mass: How much matter an object is made up of. Mass never changes and is unaffected by gravity.

Gravity: The force of the planet that causes objects to be pulled toward its center. Gravity can affect the weight of an object (an object weighs more on Earth than on the moon because there is less gravity – so less of a downward force.)

Lift: An upward force that acts against weight and is caused by the air moving over and under an object such as a wing. The curved upper surface of a wing increases the speed of the air flowing over it. The faster flowing air above the wing causes lower pressure above the wing. The higher pressure under the wing pushes up on the wing and creates lift.

Thrust: The forward motion of an object in the air.

Drag: The force pulling/pushing an object which is caused by air resistance