

FORCE BALANCE!

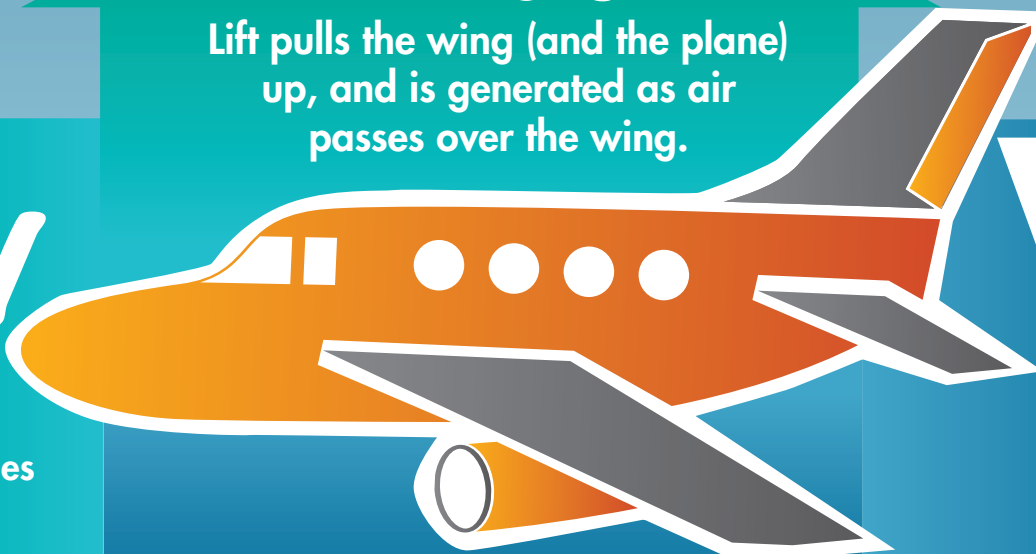
Force Balance is when all forces are equal. Think of a cruising plane.

LIFT!

Lift pulls the wing (and the plane) up, and is generated as air passes over the wing.

THRUST!

Generated by the engines, thrust pushes the plane forward.



DRAG!

Drag is created when air moves around an object. Drag acts opposite the force of motion. For a moving object like a plane, drag pulls the plane back.

WEIGHT!

The plane's weight pulls it downward.

Force Imbalance is when all forces are *not* equal.

Think of someone swinging. A push is stronger than gravity, so up you go! Then gravity pulls you back down.

