Forces of Flight

Post-visit Activity

Use the word list at the bottom of the page to complete the following statements.

1. _________ is the upward force that opposes the force of gravity.

2. An airplane rises because the air pressure on the top surface of an airfoil (wing) is _________ than the air pressure beneath the airfoil.

3. _________ keeps a plane on the ground or pulls a plane to earth when it is in the air.

4. The pull of gravity equals the _________ of the plane.

5. Lift must be _________ than gravity in order for the plane to stay level in the air.

6. The force that moves a plane forward is called _________.

7. The _________ helps produce thrust on the plane.

8. _________ is the force that opposes thrust. It is also known as air resistance.

9. For a plane to move forward, it must have _________ thrust than drag.

10. For a plane to descend, lift must be _________ than weight.

11. At lower altitudes, air pressure is _________ than at higher altitudes.

12. An airplane must be stable in three directions (axes). Add the word that satisfies the definition.

   _________ - to move nose sideways by using the rudder.

   _________ - to move nose up or down by using the elevator.

   _________ - to bank wings right or left by using the aileron.

Words to choose from:

drag, engine, equal, gravity, greater, higher, less, lift, lower, more, pitch, roll, thrust, weight, yaw