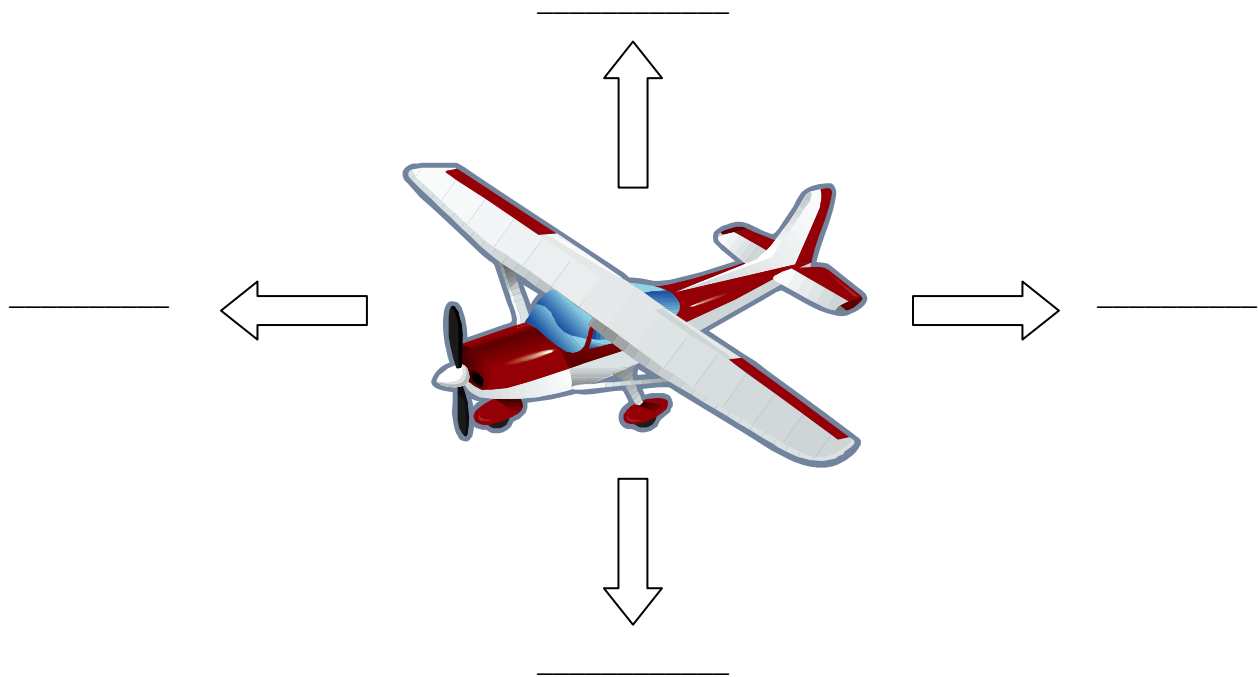




Fantastic Flight

Part I: The Four Forces of Flight

Directions: Fill in the blank with the correct force.



Part II: Facts of Flight

Directions: Fill in the statements with the correct vocabulary word.

thrust
weight

airfoil
thermals

drag
lift

temperature
pressure

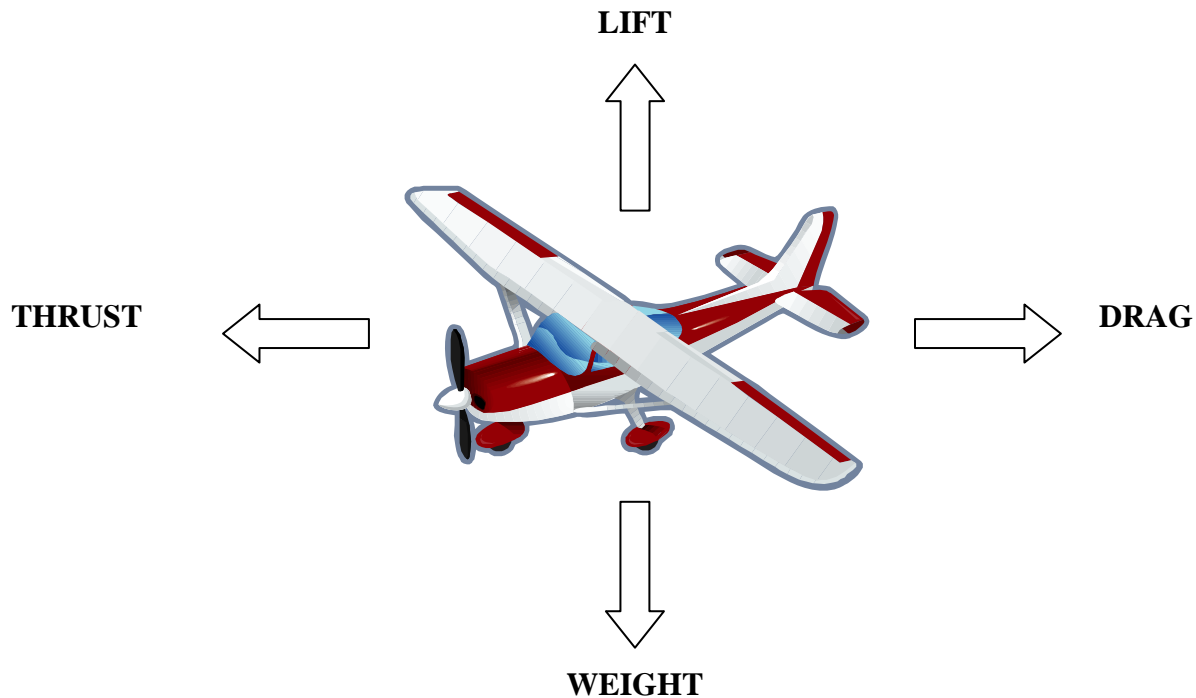
1. Air _____ pushes on everything with a force of about 15 pounds per square inch.
2. In order for an airplane to climb into the air, the force of _____ must be greater than the force of _____, also known as gravity.
3. Currents of warm air that rise from the earth's surface are called _____.
4. The force of _____ can be generated by either a propeller or a jet engine.
5. The curved shape of the wing, also known as the _____, allows the airplane to generate lift.
6. The force of _____ is the resistance created when an object moves through the air.
7. As the _____ of air increases, the weight of air decreases. This is why a hot air balloon can fly.



Fantastic Flight – Answer Key

Part I: The Four Forces of Flight

Directions: Fill in the blank with the correct force.



Part II: Facts of Flight

Directions: Fill in the statements with the correct vocabulary word.

thrust **airfoil** **drag** **temperature**
weight **thermals** **lift** **pressure**

1. Air **pressure** pushes on everything with a force of about 15 pounds per square inch.
2. In order for an airplane to climb into the air, the force of **lift** must be greater than the force of **weight**, also known as gravity.
3. Currents of warm air that rise from the earth's surface are called **thermals**.
4. The force of **thrust** can be generated by either a propeller or a jet engine.
5. The curved shape of the wing, also known as the **airfoil**, allows the airplane to generate lift.
6. The force of **drag** is the resistance created when an object moves through the air.
7. As the **temperature** of air increases, the weight of air decreases. This is why a hot air balloon can fly.