



Theory of Flight Student Hand Out

Follow along with this sheet and fill in the blanks!

What do we know about air?

1.	It is _____ us
2.	Takes up _____
3.	Has measurable _____
4.	Exerts _____
5.	Has _____
6.	Can't be seen but moves as a _____
7.	It fills our lungs
8.	We can feel it
9.	_____
10.	_____
11.	_____

To produce lift we need 3 things:

1. _____
2. _____
3. _____

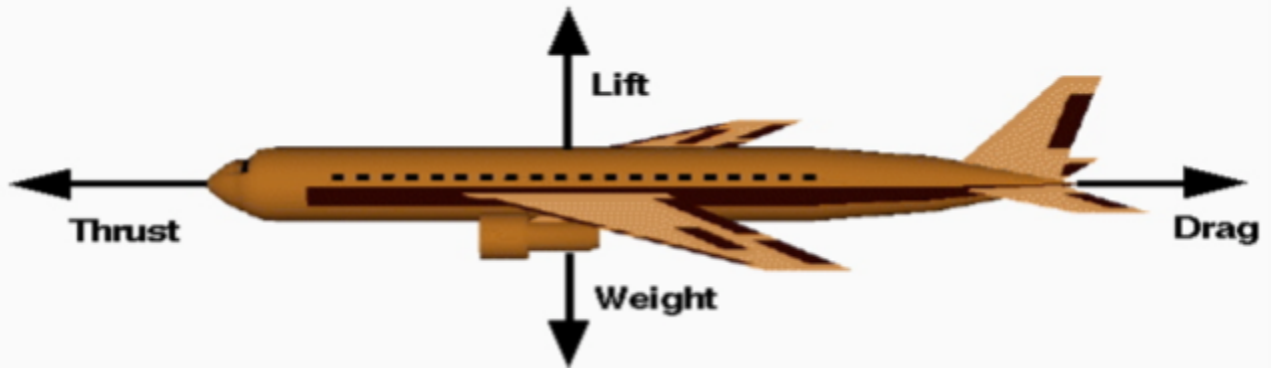


"An increase in velocity of any fluid is always accompanied by a decrease in pressure." - _____

Angle of Attack is...

_____ is the force that pushes an aircraft forward and opposes _____.

_____ is a force of _____ that seems to pull back on something trying to move.

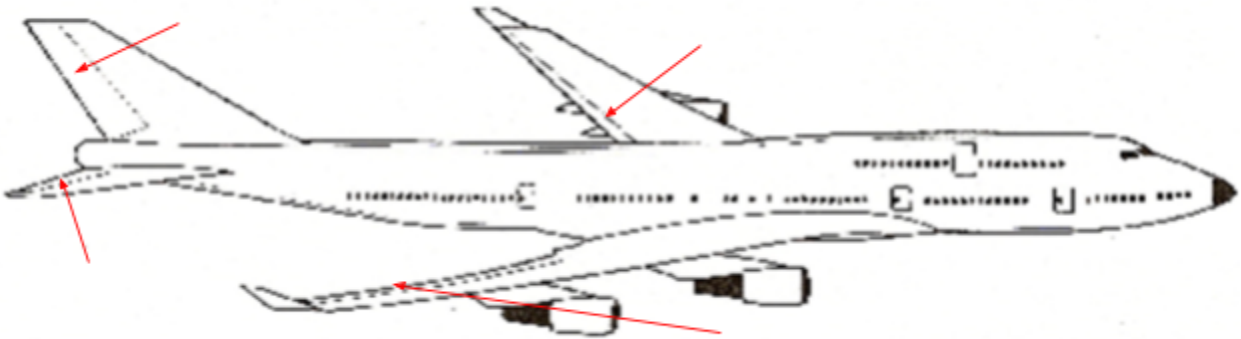


Flight Condition	Effect
Lift > Weight	_____
Weight > Lift	_____
Drag > Thrust	_____
Thrust > Drag	_____



To help provide stability, we angle the planes' wings _____ . This is called a _____ .

Label the flight controls!



What are the three axes?

How do our control surfaces affect flight?

Flaps: _____

Ailerons: _____

Elevators: _____

Rudders: _____