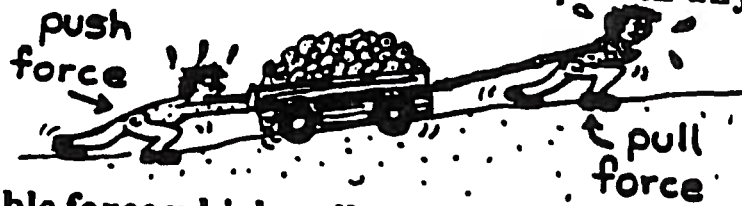


Gravity		
Lift		
Thrust		
Drag		
Bernoulli's Principle		
Aerodynamic		

FLIGHT

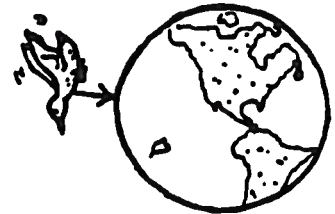
Four Forces of Flight

Before a person can understand flight, they must first learn about the forces that control flying. A force is a push or a pull in any direction.



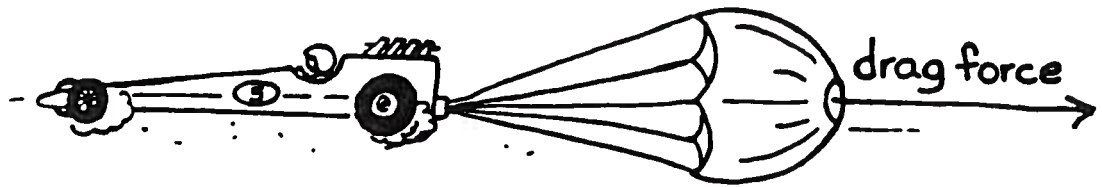
Gravity Force

Gravity is an invisible force which pulls objects together. Objects with a large mass pull and attract objects with less mass. Because the earth has a very large mass, all objects near it are pulled towards the center of the earth. This downwards "pull" is called the force of gravity and works against things that are trying to fly.



Drag Force

Drag is a force that slows you down and works in the opposite direction than you are travelling. For example, when a parachute on a dragster opens up after the race, it creates a drag force that helps to slow the car down.



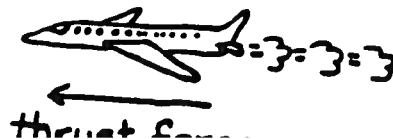
Lift

Lift is a force upward. If the lift force is greater than the gravity force, the object will stay in the air.



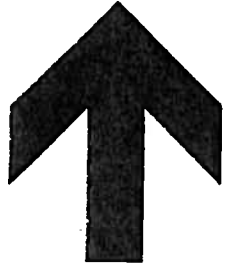
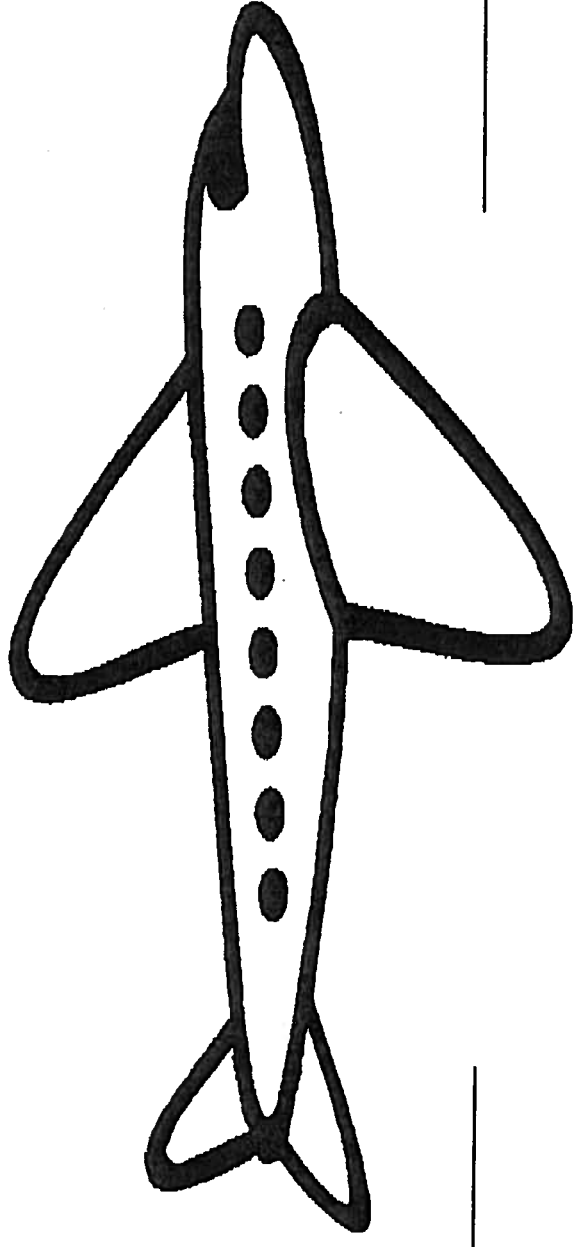
Thrust

This is the force that moves an airplane forward and is usually produced by a plane's engines.



The 4 Forces Affecting Flight

Name: _____



?? What is a FORCE ??

