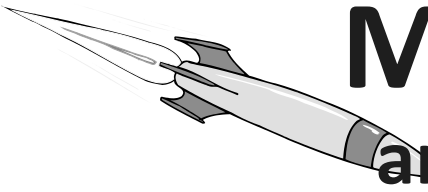


Magnificent Flying Machines

and other inventions that fly though the air.



Complete the required information for each of the flying objects listed below. One example has already been done for you.

Type	What is it?	How is it powered?	How high does it fly?	Forces in operation
Helicopter*				Lift Thrust Gravity Drag
Rocket*				Lift Thrust Gravity Drag
Paper Plane				Lift Thrust Gravity Drag
Aeroplane*				Lift Thrust Gravity Drag
Hang Glider*				Lift Thrust Gravity Drag
Boomerang				Lift Thrust Gravity Drag
Parachute				Lift Thrust Gravity Drag
Hot Air Balloon*				Lift Thrust Gravity Drag
Swing	A mechanical plaything which supports someone as they swing back and forth. It usually consists of a seat suspended from a fixed, horizontal support by two hanging chains, ropes or bars.	By a manual push or pull force. Push harder and the swing goes higher. When you stop pushing the swing's movement and height will gradually decrease until it stops.	Maximum upswing height is usually around 2.5 metres.	Lift Thrust Gravity Drag

*Discuss how your view of earth would differ from each of the marked flying machines. Why?