Identified Flying Objects	What gives it lift	What gives it thrust	What controls direction of travel while in the air
Airplane	Elevators down	Engine	Rudder Ailerons
Glider	Elevators down	Tow Plane Air current	Rudder Ailerons
Helicopter	Head Rotor	Tail Rotor Engine	Tail Rotor also acts as a rudder
Blimp	Propellers	Engine	Rudder Elevators
Hot Air Balloon	Hot air (heated by flame)	Air current	Air current Opening and closing top flap
Spacecraft	Rocket fuel ejected during launch	Rocket engines	Releasing jets of air to change direction
Parachute	Air resistance	None	Shroud lines
Flying Birds	Wings Hollow bones	Wings	Tail Wing tips
Flying Squirrels	None	None	None
Flying Insects	Wings	Wings	Wings
Projectiles	Another object	Another object	Air current

Use the chart above to answer the following questions.

1. What would be an appropriate title for this chart?

_____

2. Which object uses a head rotor to gain lift and a tail rotor to change direction?

_____

3. Which objects use wings for propulsion?

_____

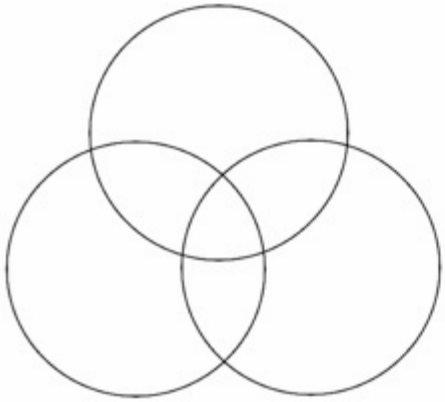
4. How is the tail of a bird like the rudder of a glider?

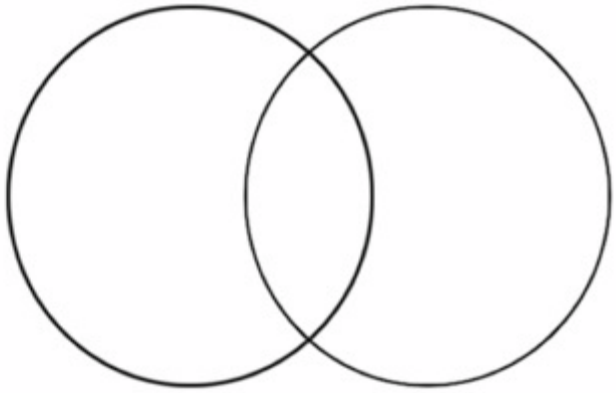
_____

5. How are ailerons on an airplane similar to the wing tips of a bird?

_____

Use the chart to create a Venn Diagram comparing 2 or 3 objects.





Which property of air do the following situations show?

Bicycle pump _____

Elevation _____

Aerosol can _____

Balloon _____

Inflated balls _____

Barometric pressure _____

Tires _____