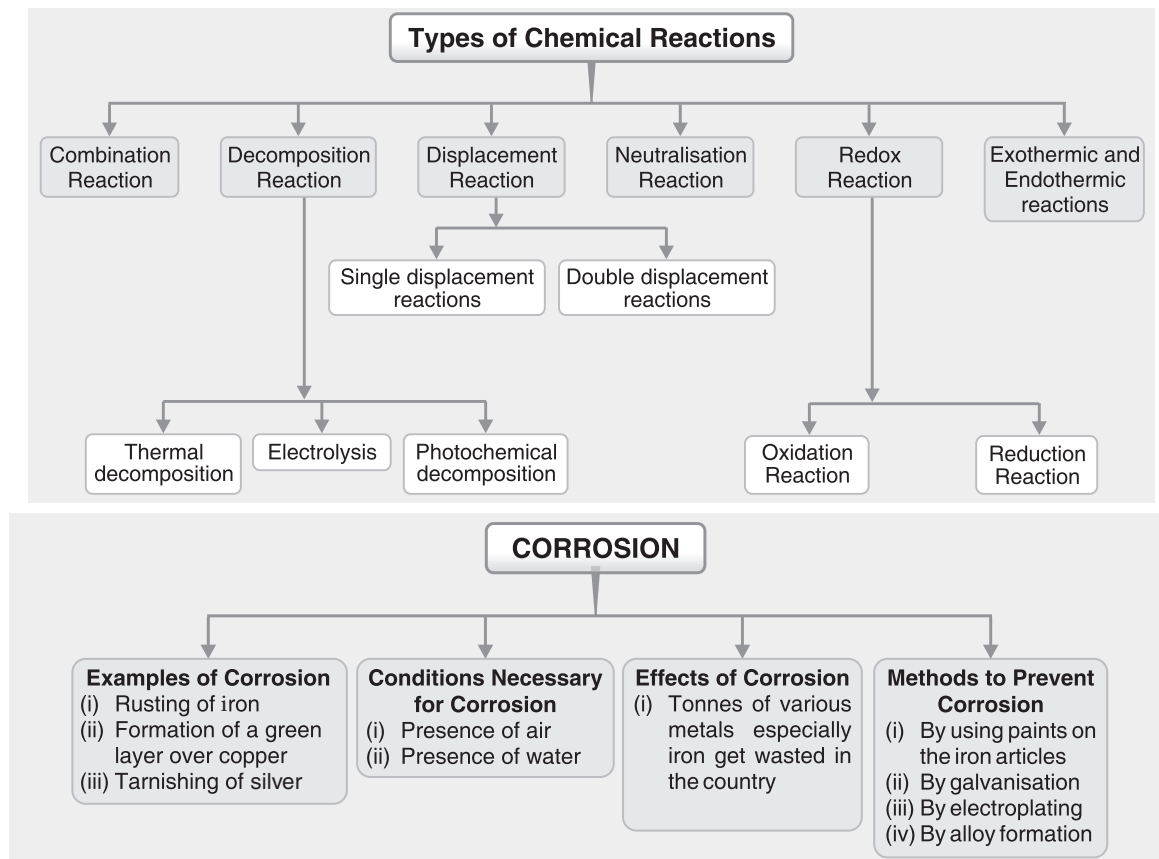
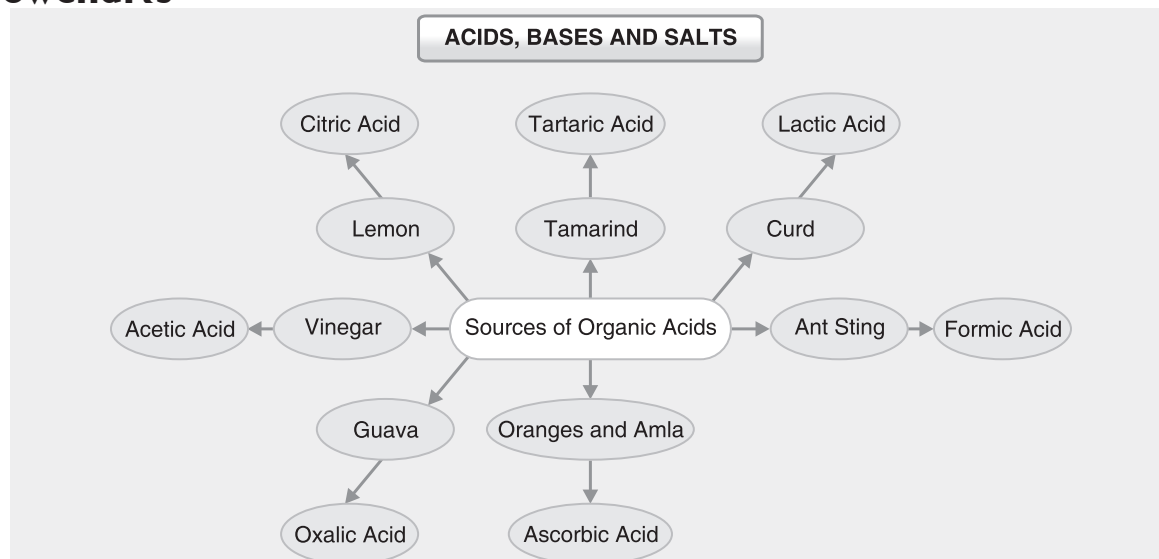


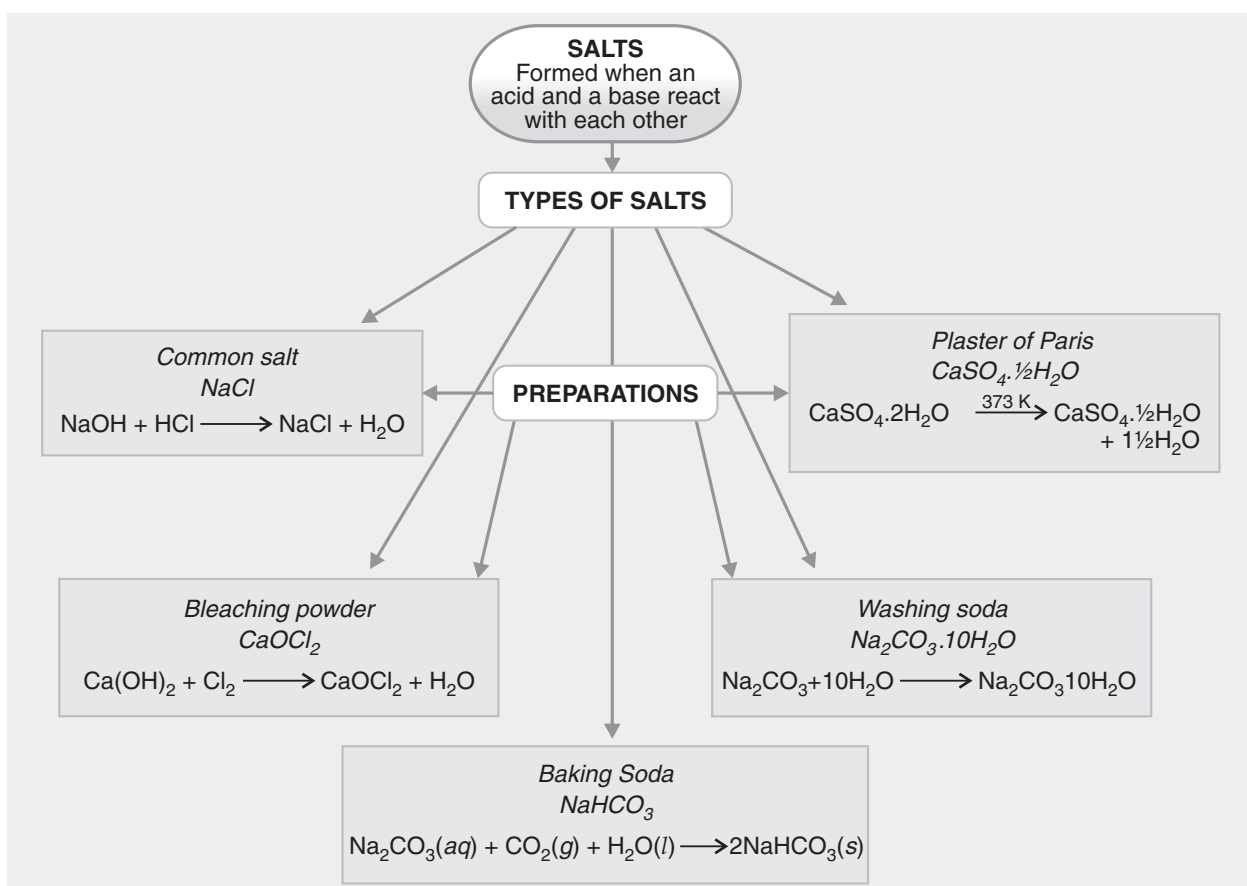
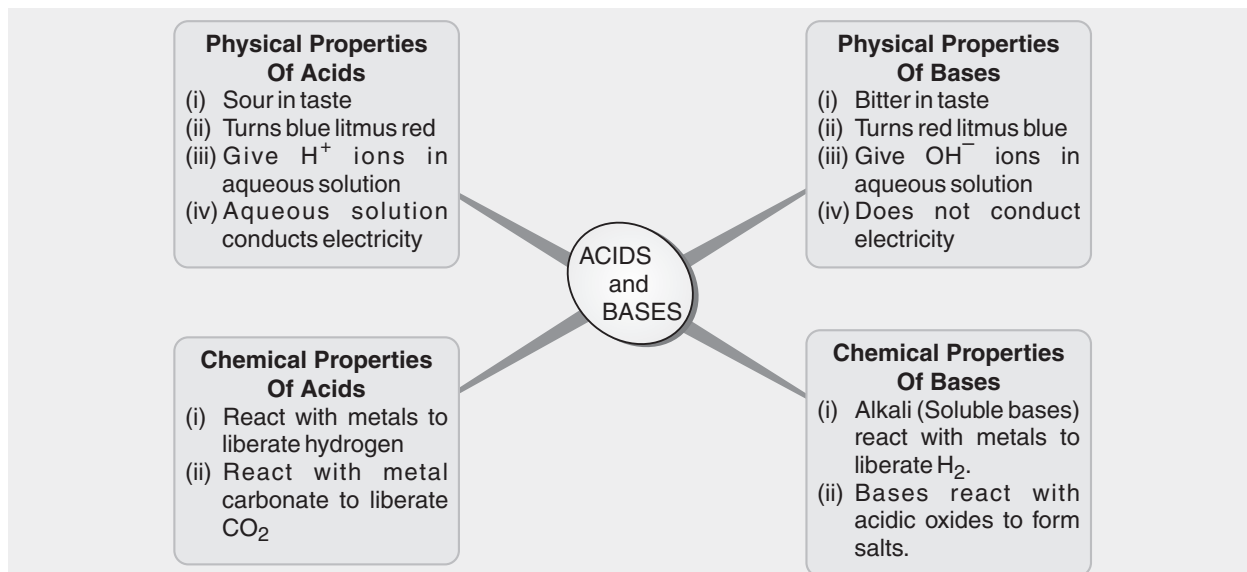
Flowcharts



Chapter - 2 : Acids, Bases and Salts

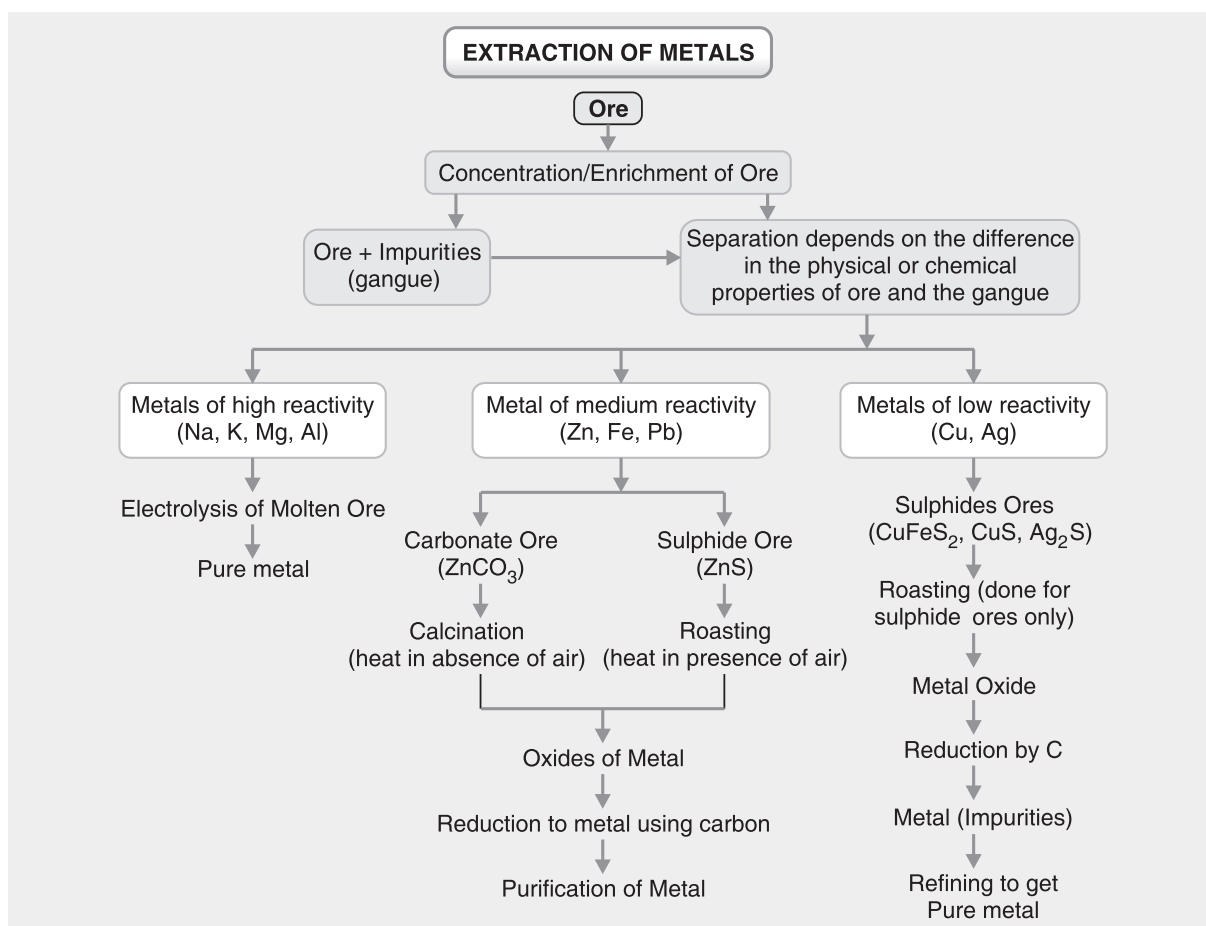
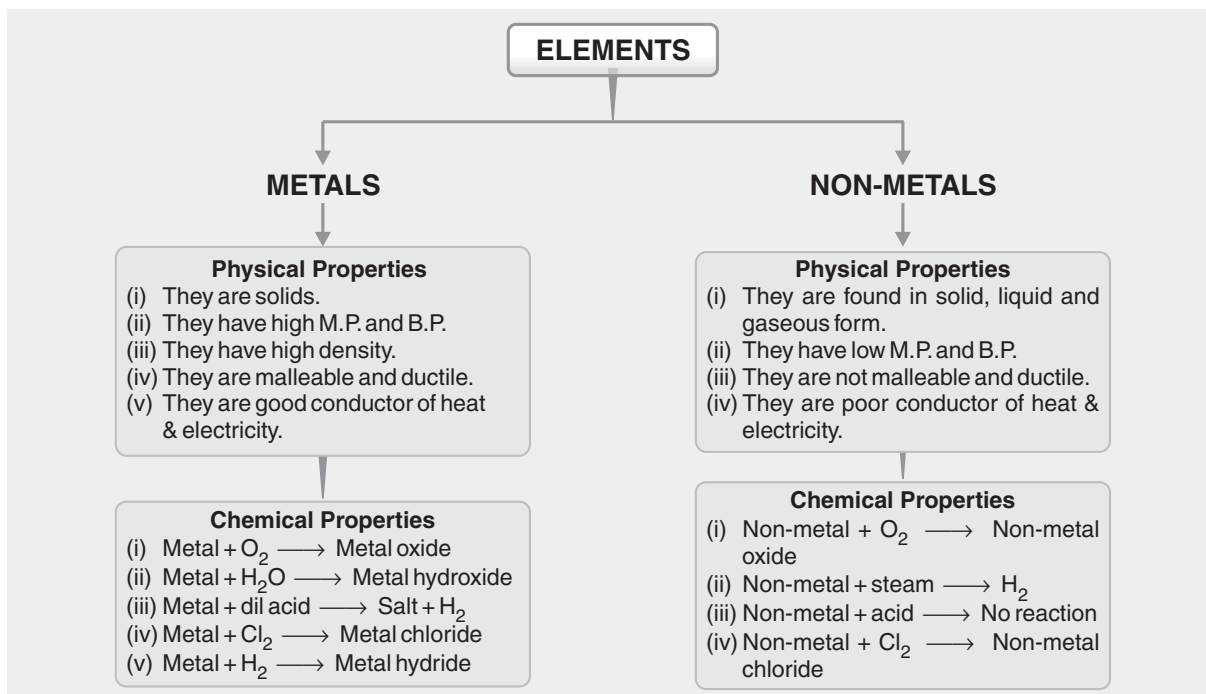
Flowcharts





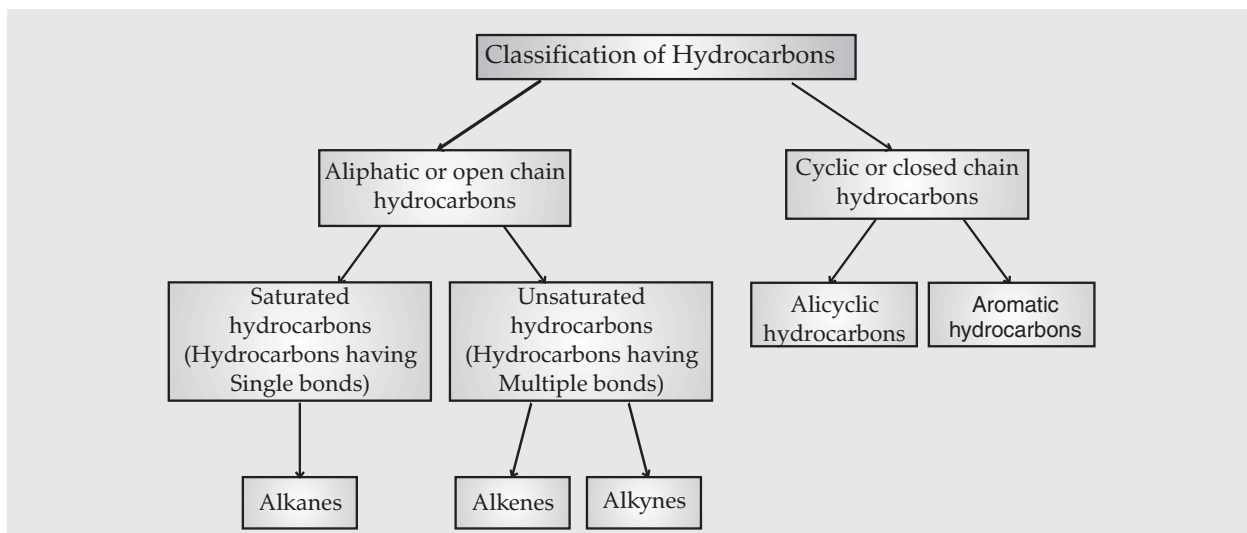
Chapter - 3 : Metals and non-metals

Flowcharts



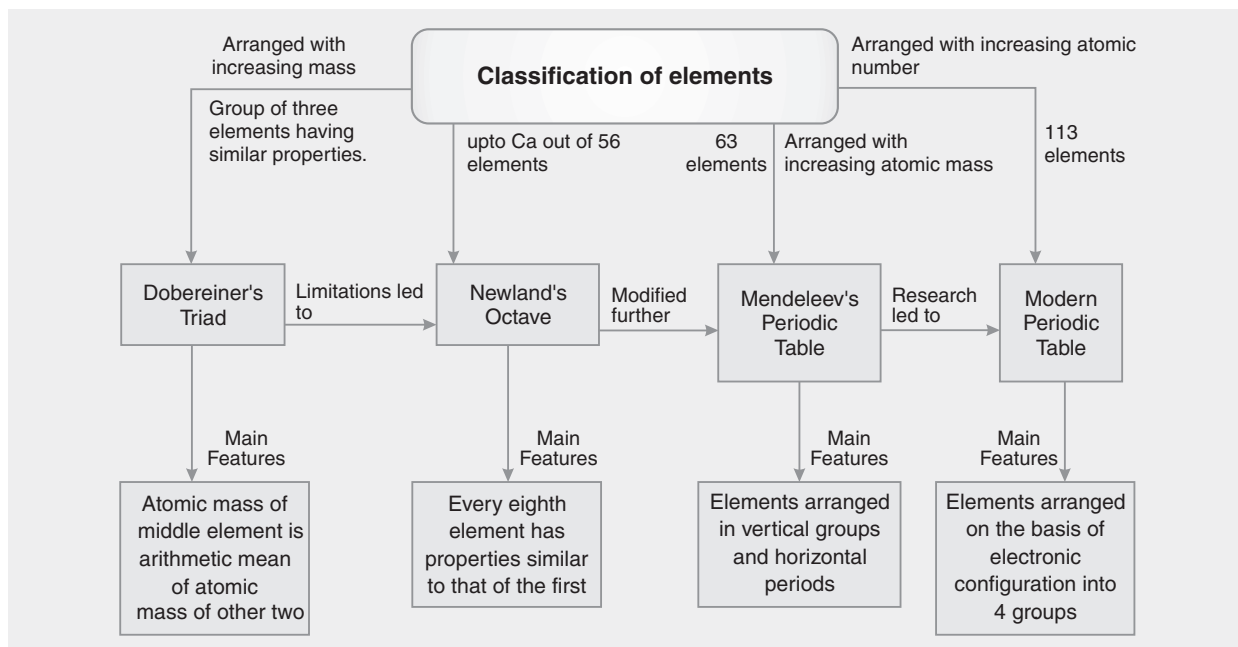
Chapter - 4 : Carbon and its compounds

Flowchart



Chapter - 5 : Periodic Classification of Elements

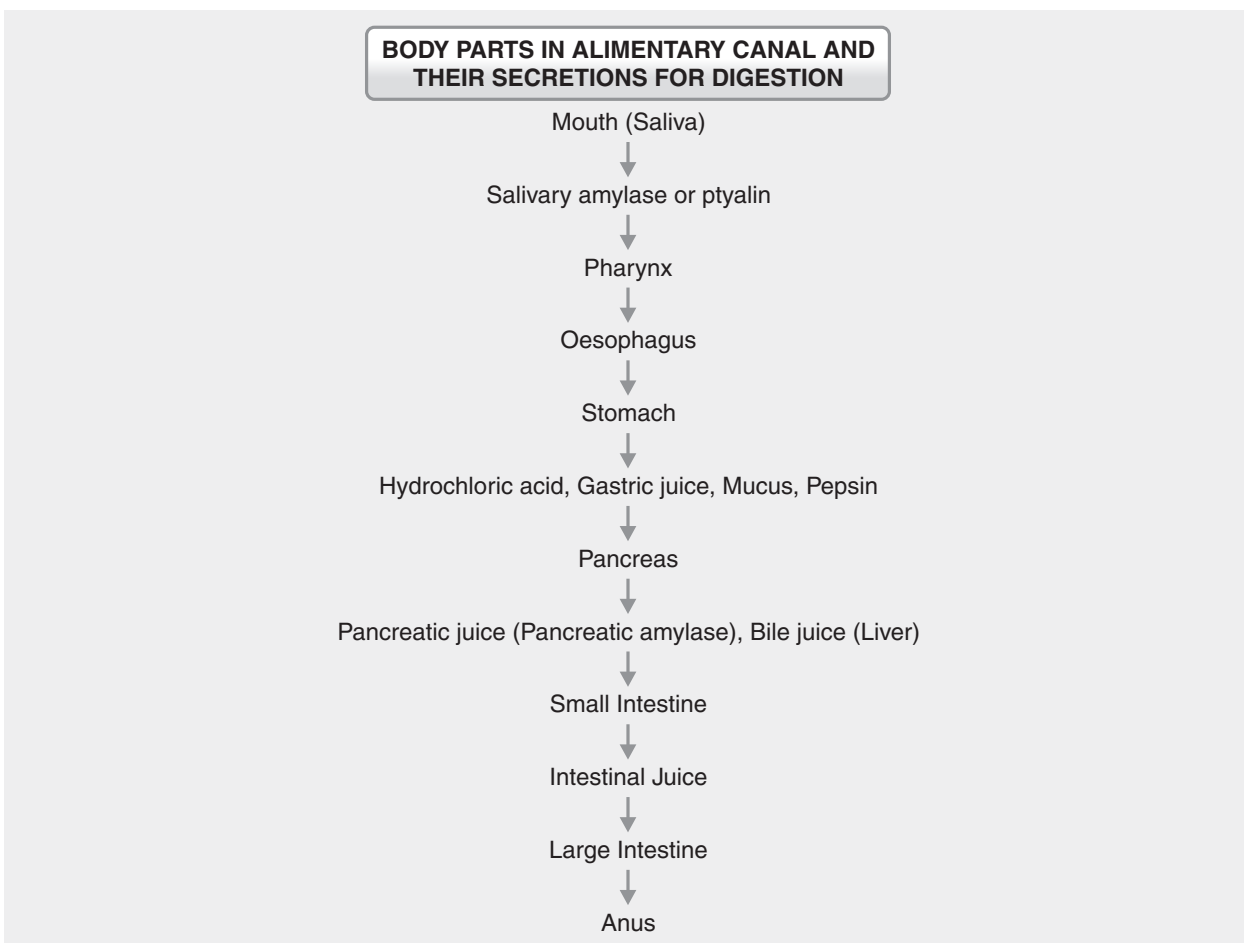
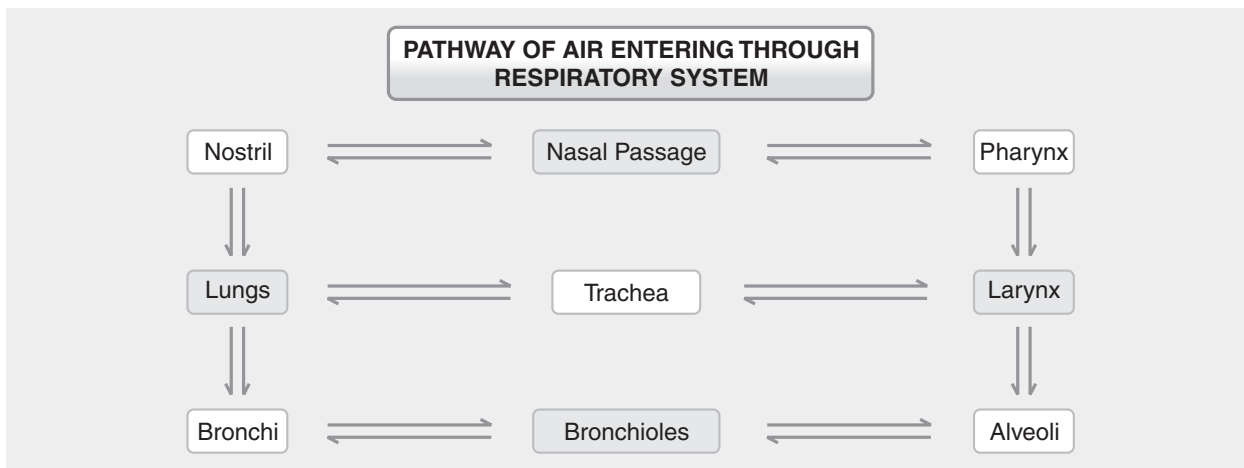
Flowcharts



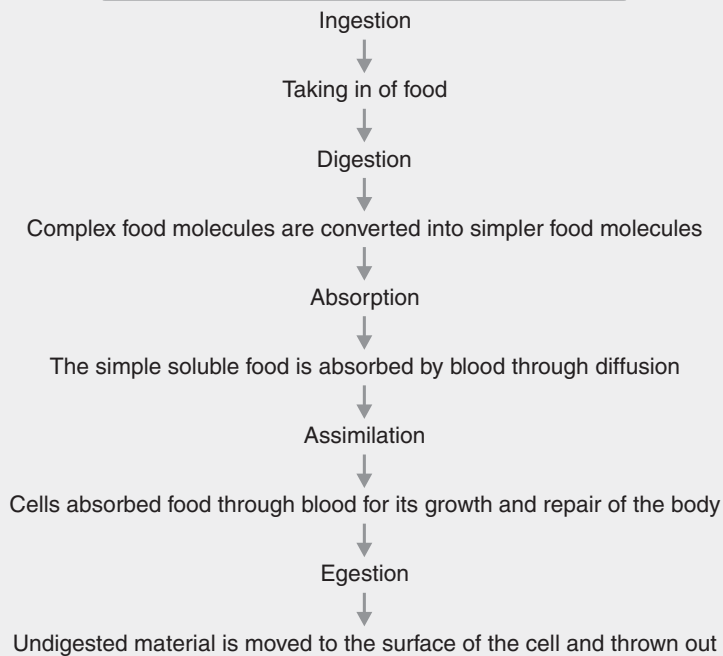
UNIT -II : World of Living

Chapter - 6 : Life Processes

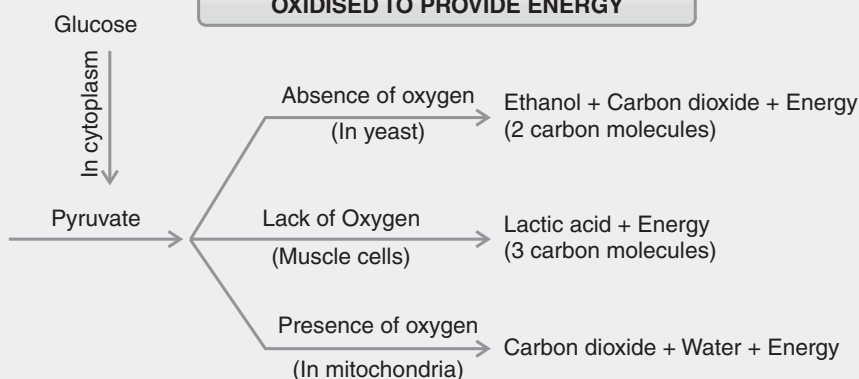
Flowcharts



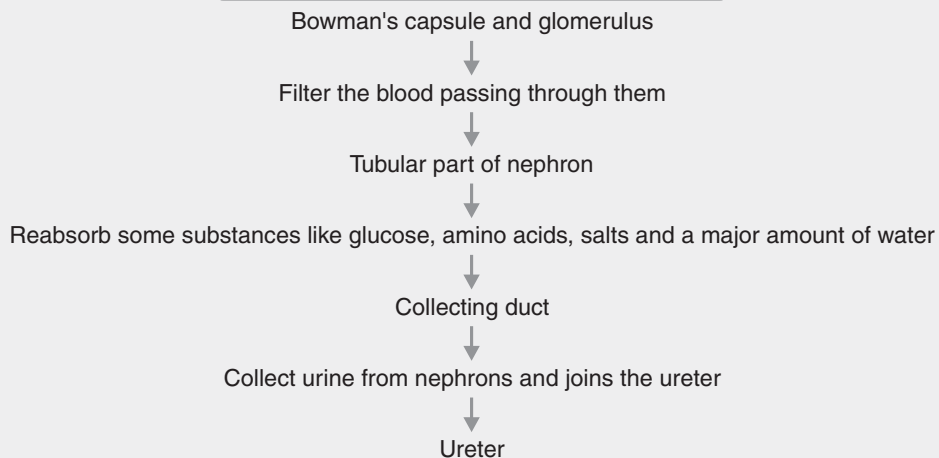
VARIOUS STEPS INVOLVED IN THE PROCESS OF NUTRITION

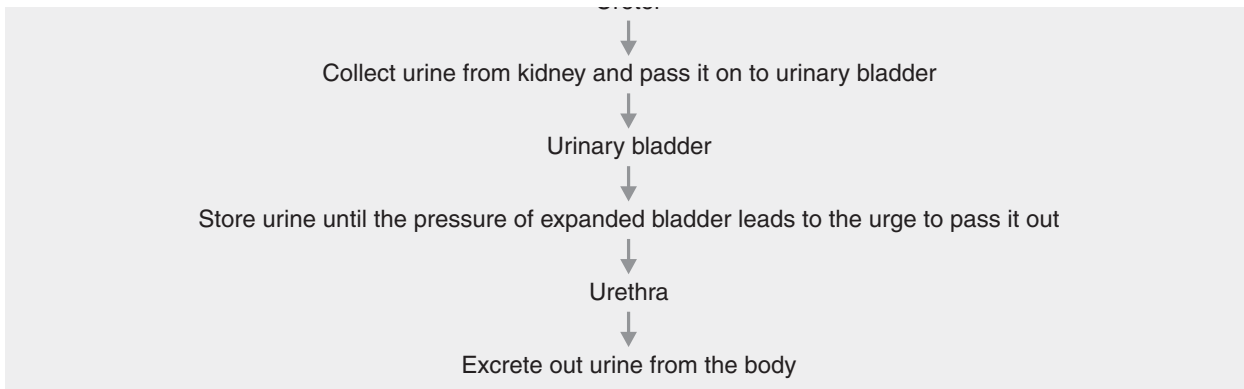


DIFFERENT WAYS IN WHICH GLUCOSE IS OXIDISED TO PROVIDE ENERGY



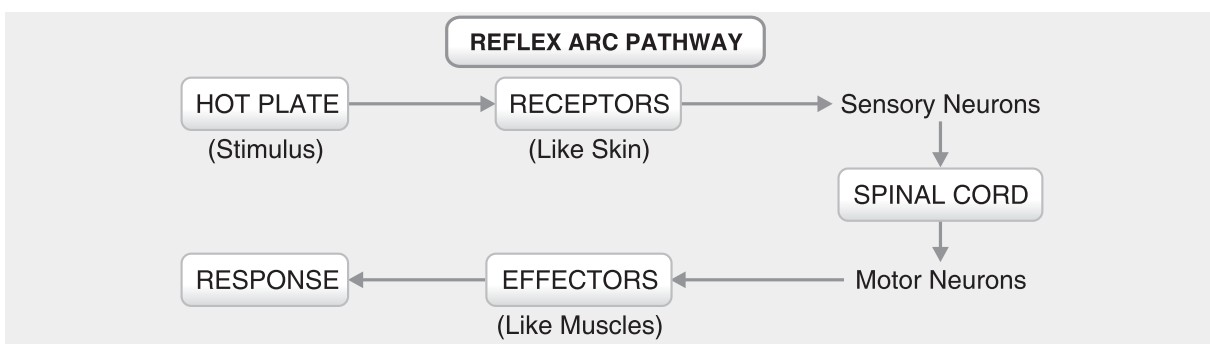
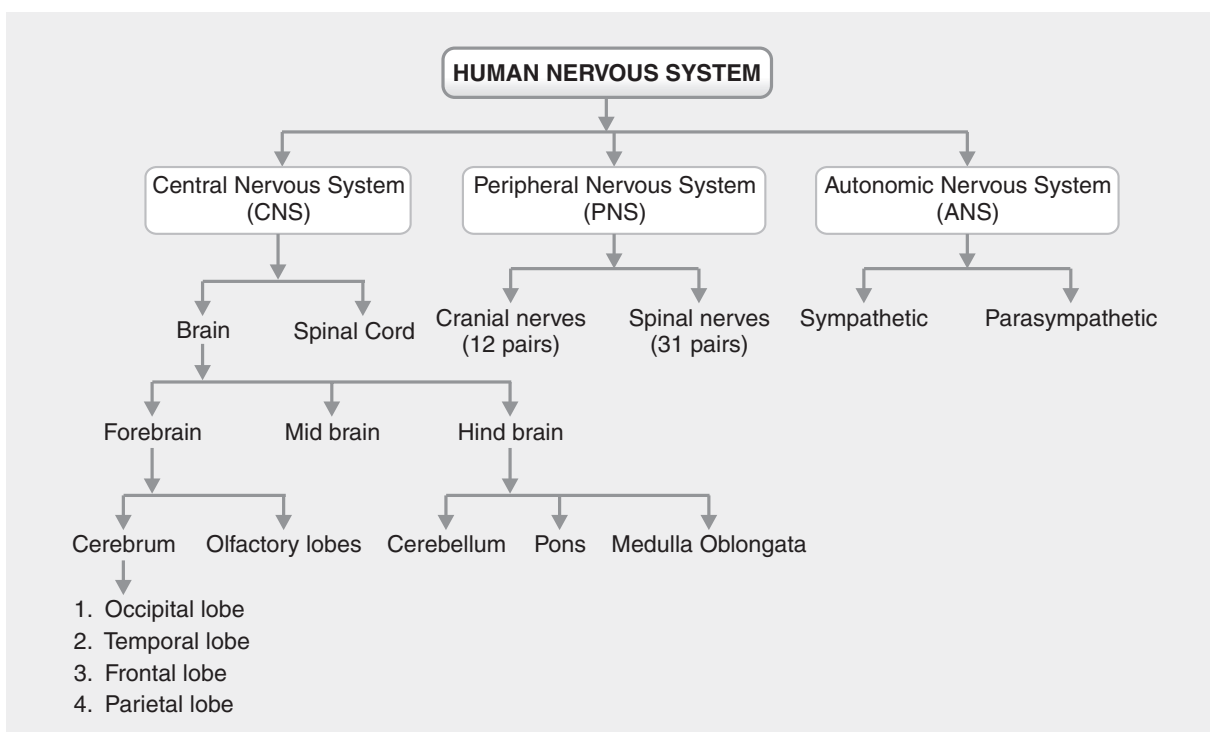
ORGANS INVOLVED IN EXCRETION IN HUMAN BEINGS AND FUNCTION

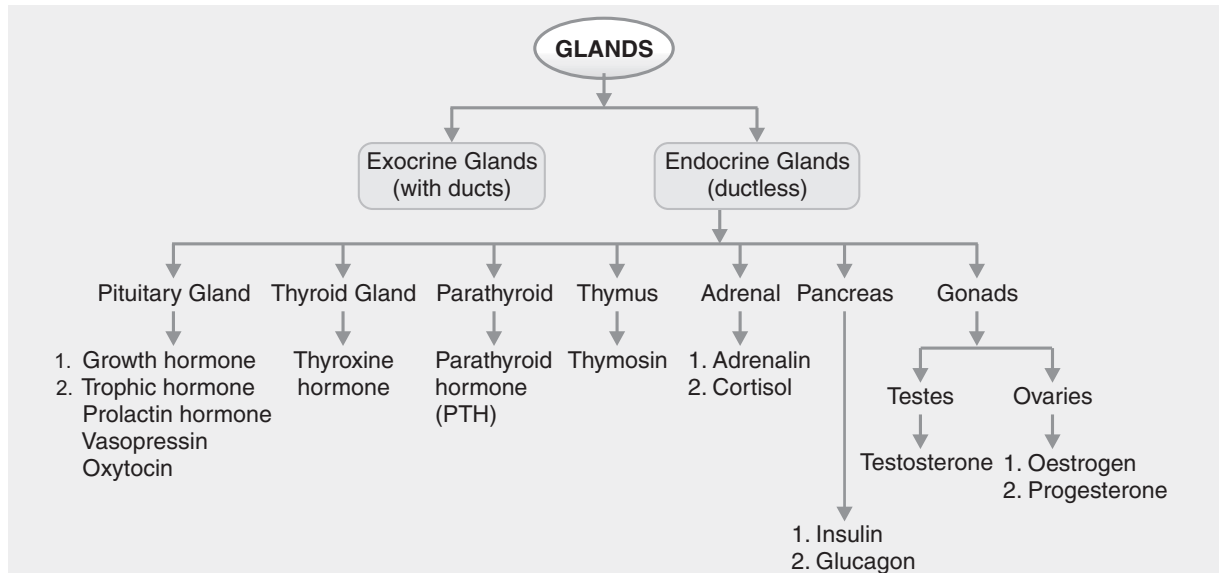
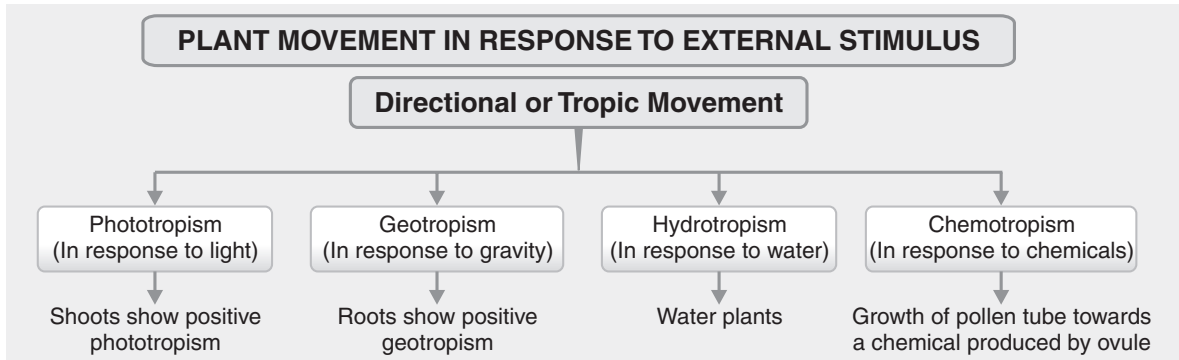




Chapter - 7 : Control and Co-Ordination

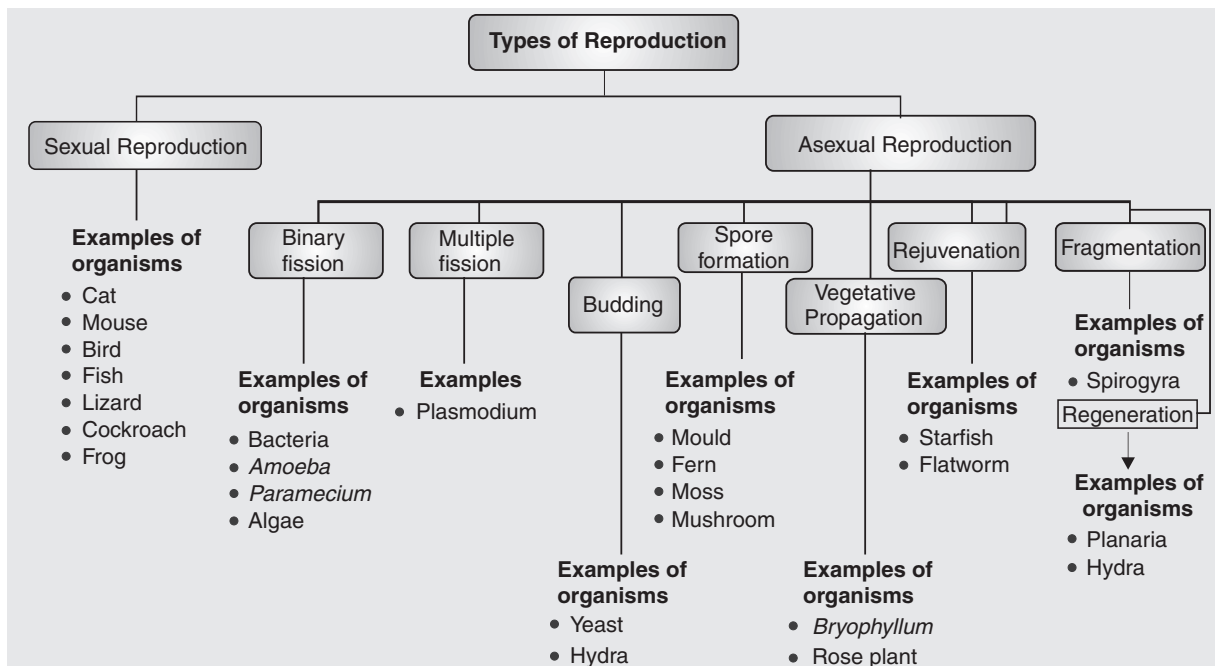
Flowcharts

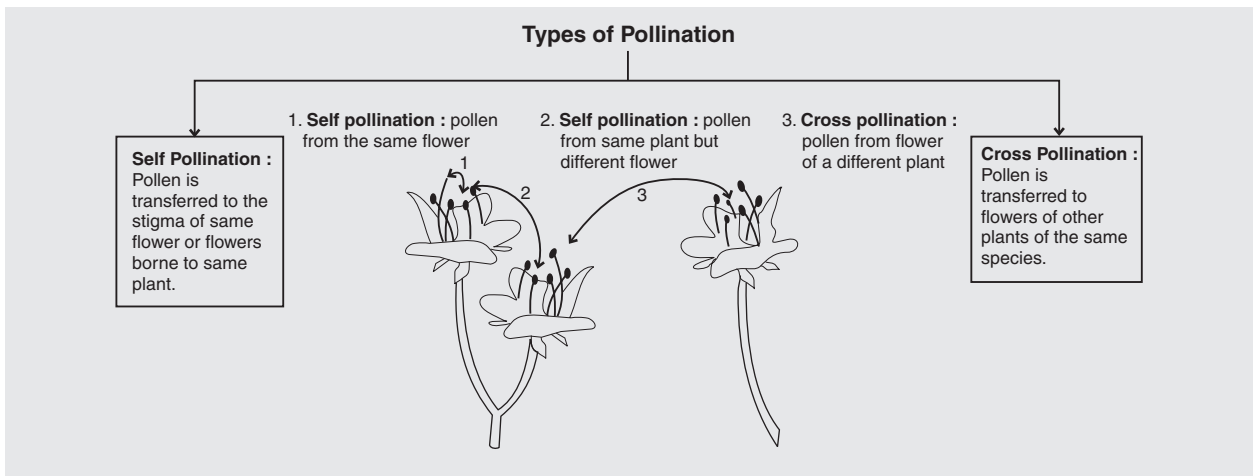
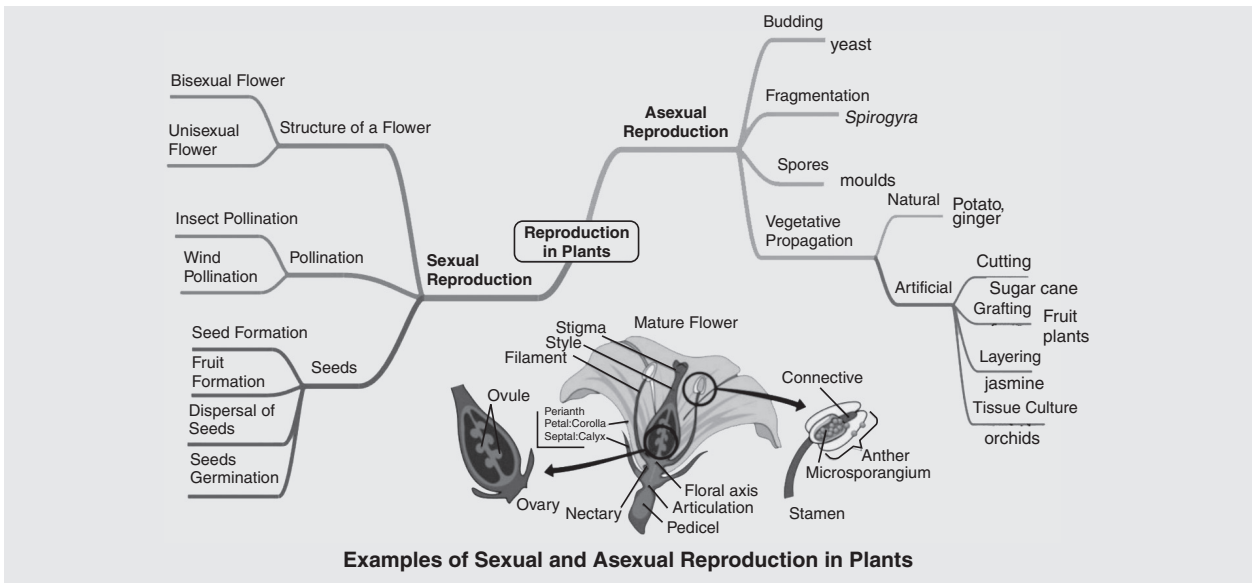




Chapter - 8 : How Do Organisms Reproduce ?

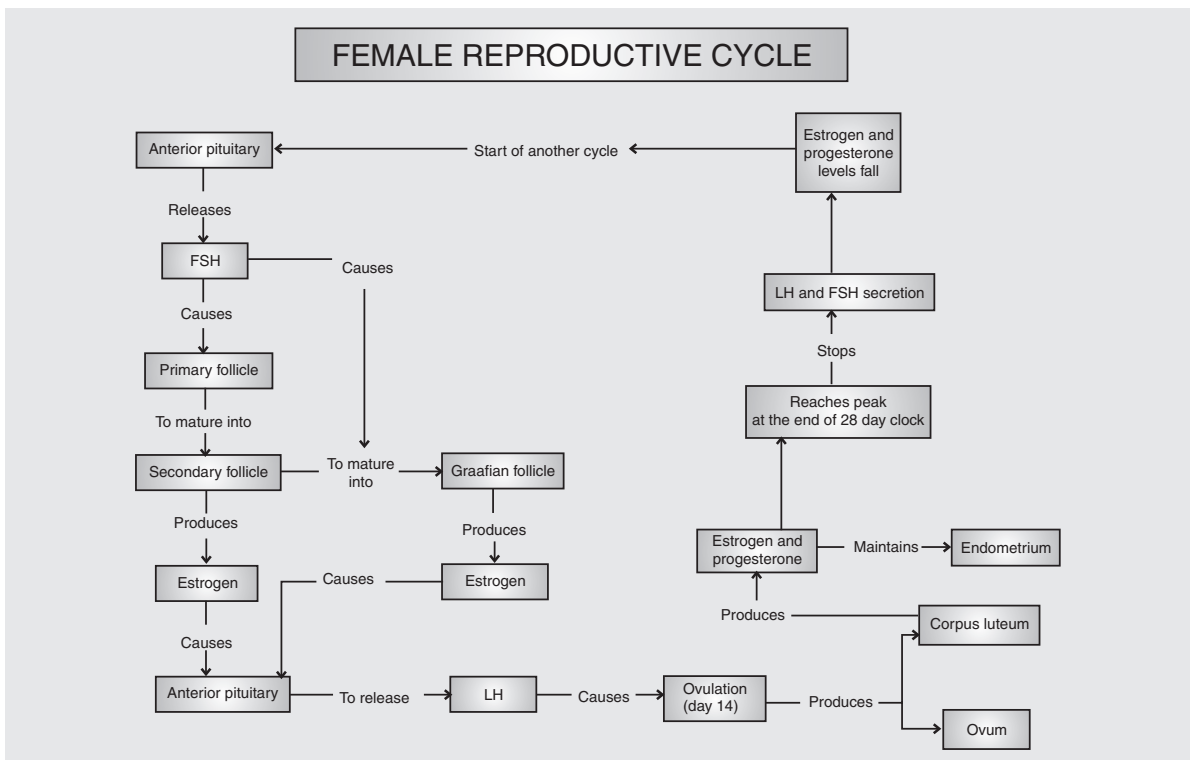
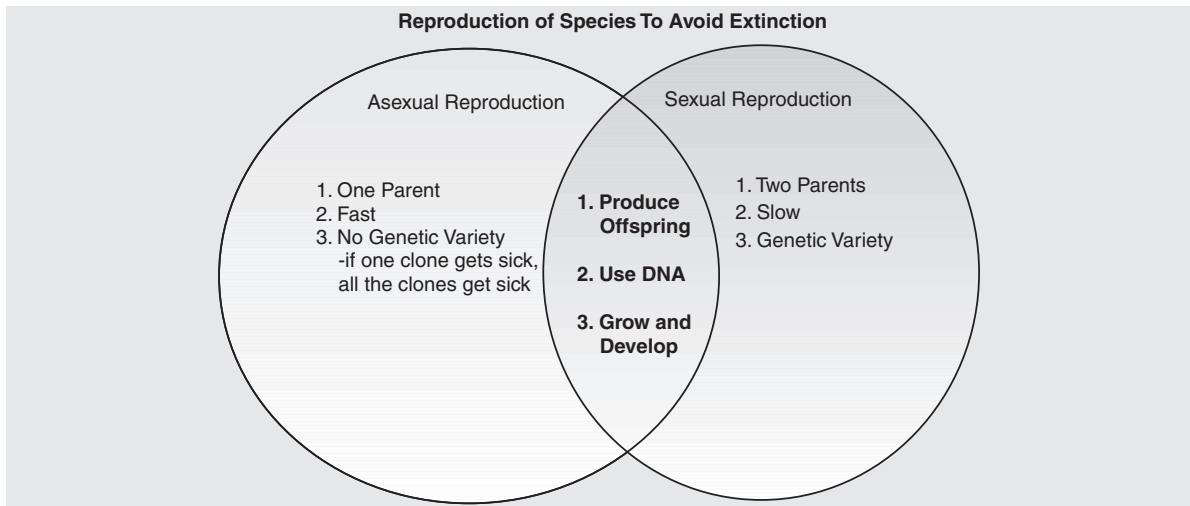
Flowchart





Organ	Function
Testis with seminiferous tubules	Sperm production
Collecting ducts	Transport and storage
Epididymis	Transport, maturation and ejaculation
Vas deferens (sperm duct)	Transport and ejaculation
Seminal vesicles	Secrete thick liquid to transport sperm
Prostate gland	Secretes thin alkaline solution to neutralise urine and female system
Cowper's gland	Secretions may lubricate, flush out urine or form a gelatinous plug
Urethra	Passage for urine and sperm
Penis	Copulation

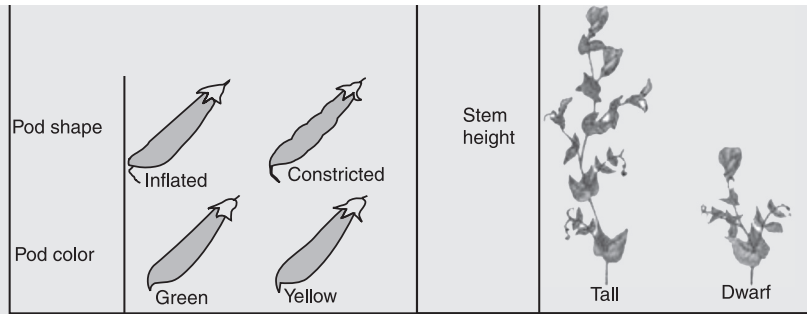
Male Reproductive organs and their functions



Chapter - 9 : Heredity and Evolution

Flowcharts

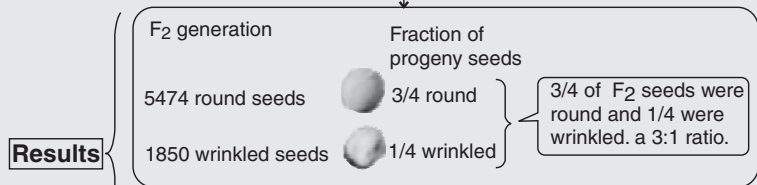
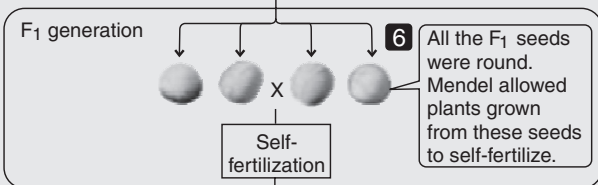
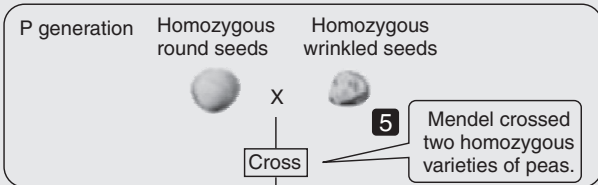
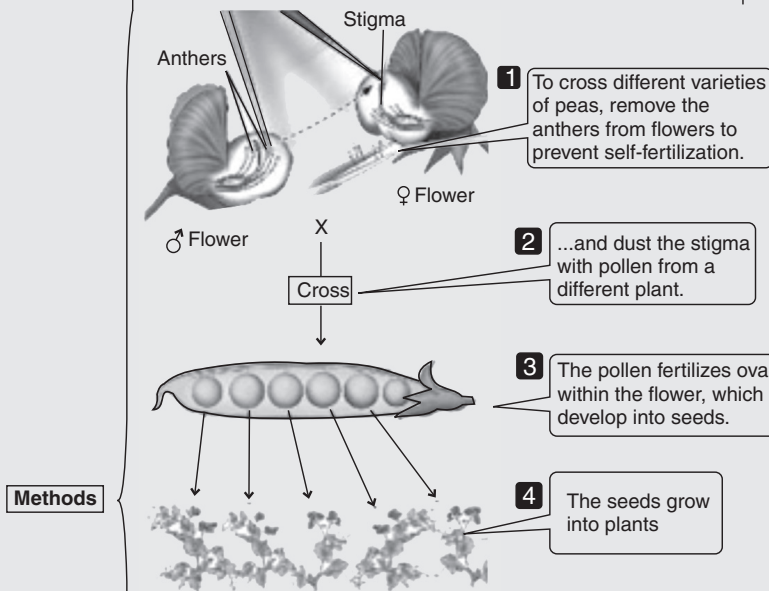
Character	Dominant trait	Recessive trait	Character	Dominant trait	Recessive trait
Seed shape	 Spherical/Round	 Wrinkled	Flower position	 Axial	 Terminal
Seed color	 Yellow	 Green			
Flower color	 Purple	 White			



Inheritance of two separate traits in plants

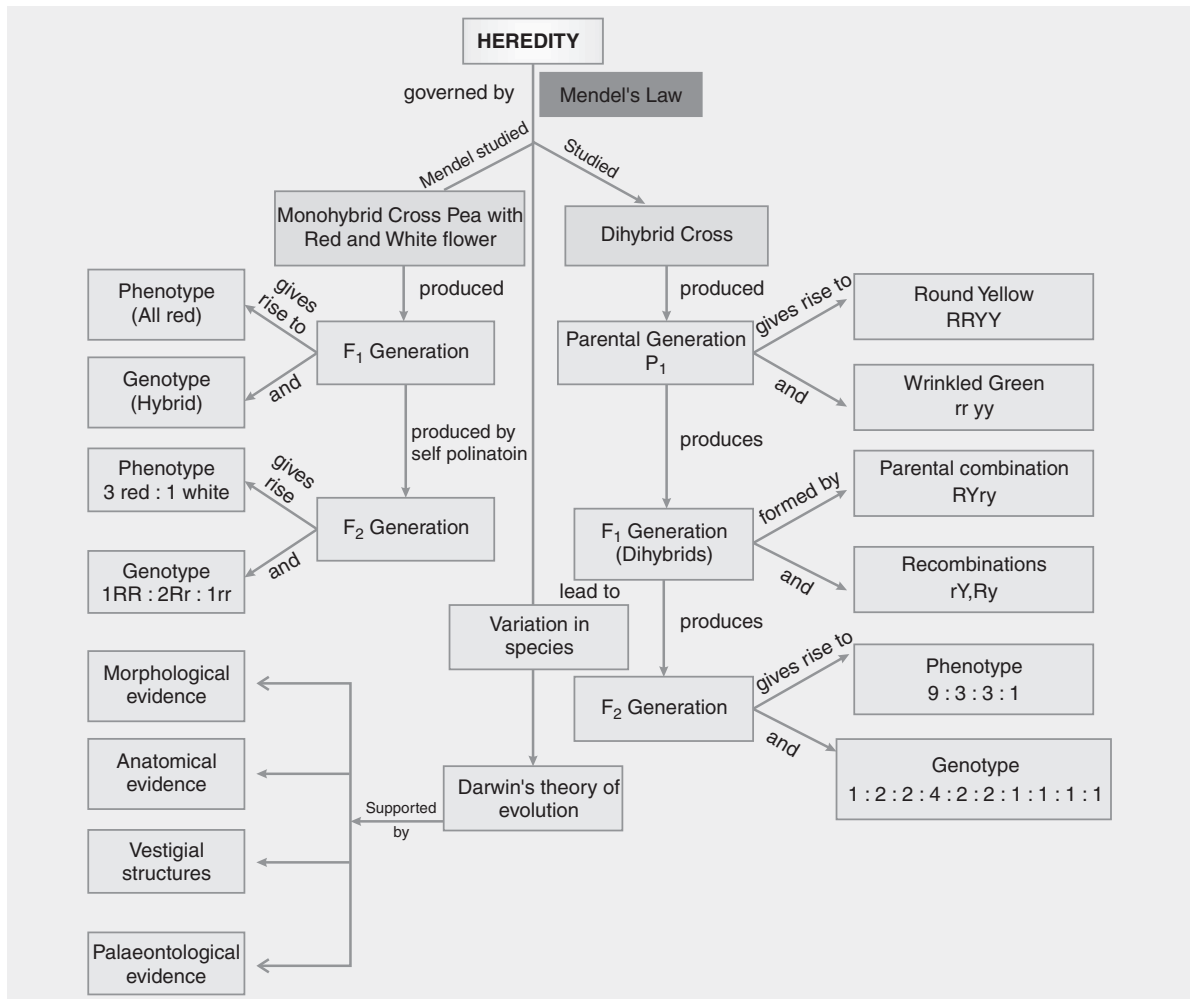
Experiment

Question : When peas with two different traits –round and wrinkled seeds—are crossed, will their progeny exhibit one of those traits, both of those traits, or a "blended" intermediate trait?



Conclusion : The traits of the parent plants do not blend. Although F₁ plants display the phenotype of one parent, both traits are passed to F₂ progeny in a 3:1 ratio.

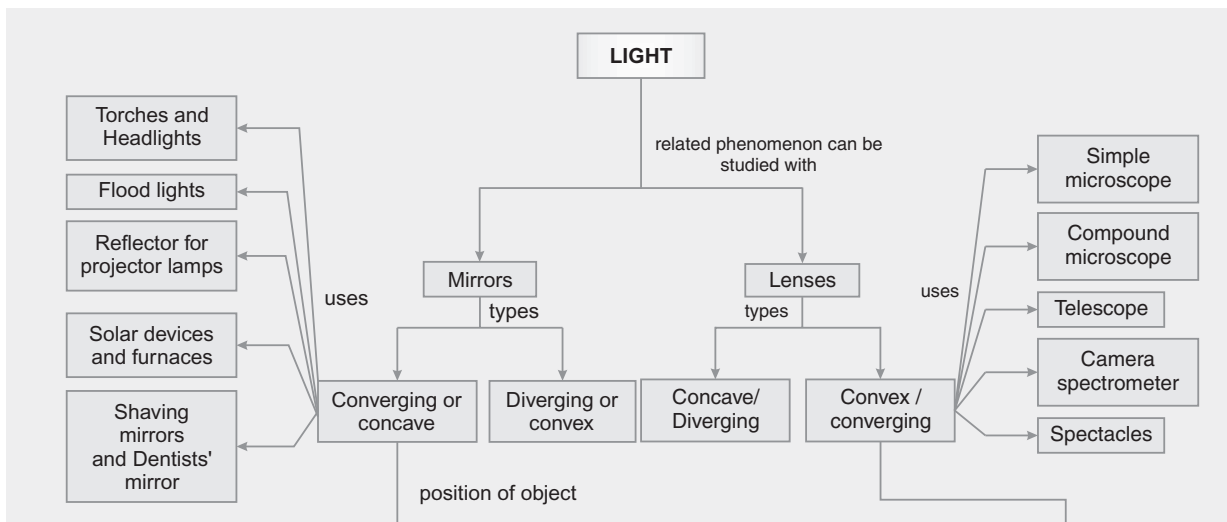
Pictorial Representation of Mendel's Monohybrid Cross

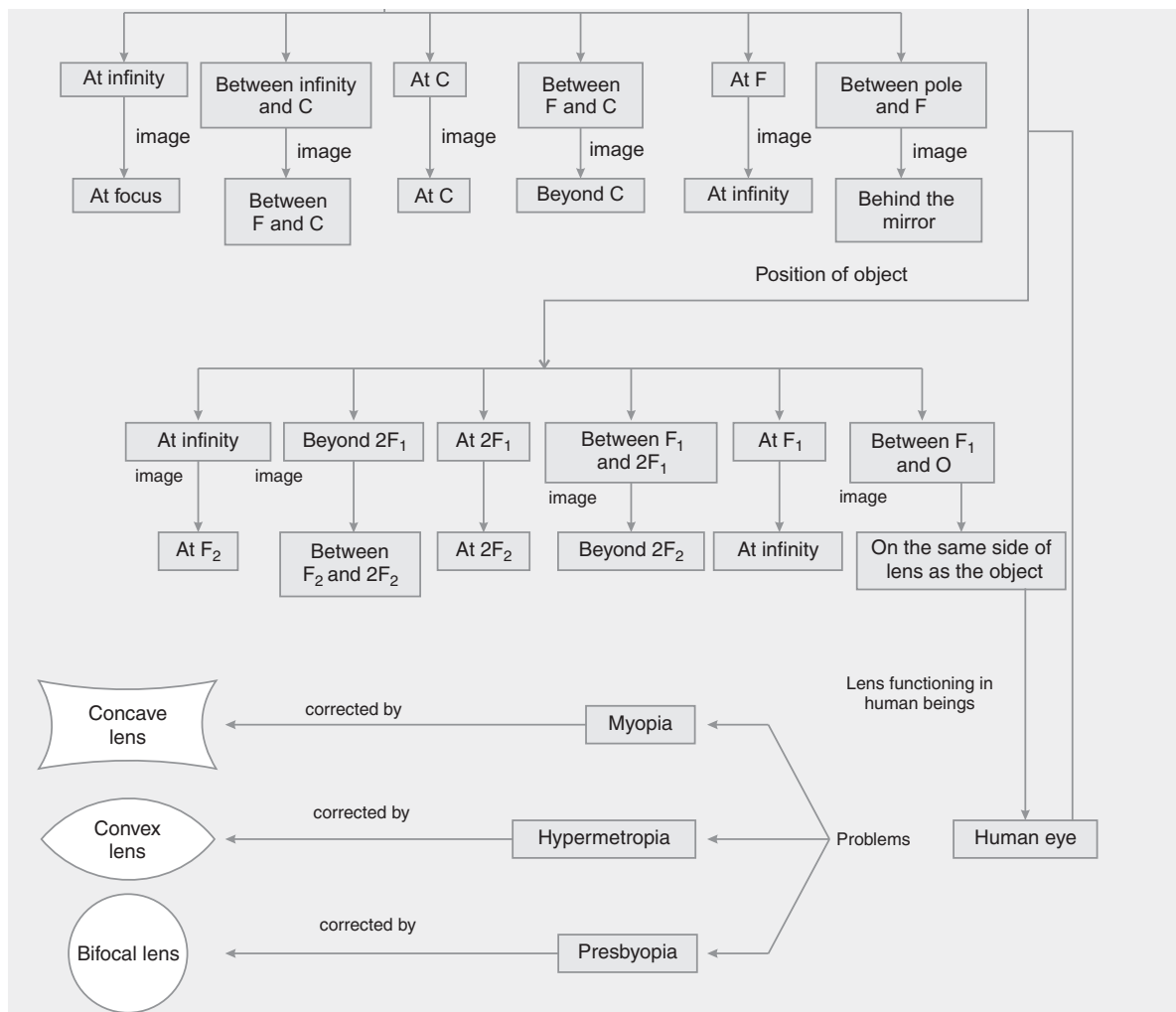


UNIT -III : Natural Phenomena

Chapter - 10 : Light-Reflection and Refraction

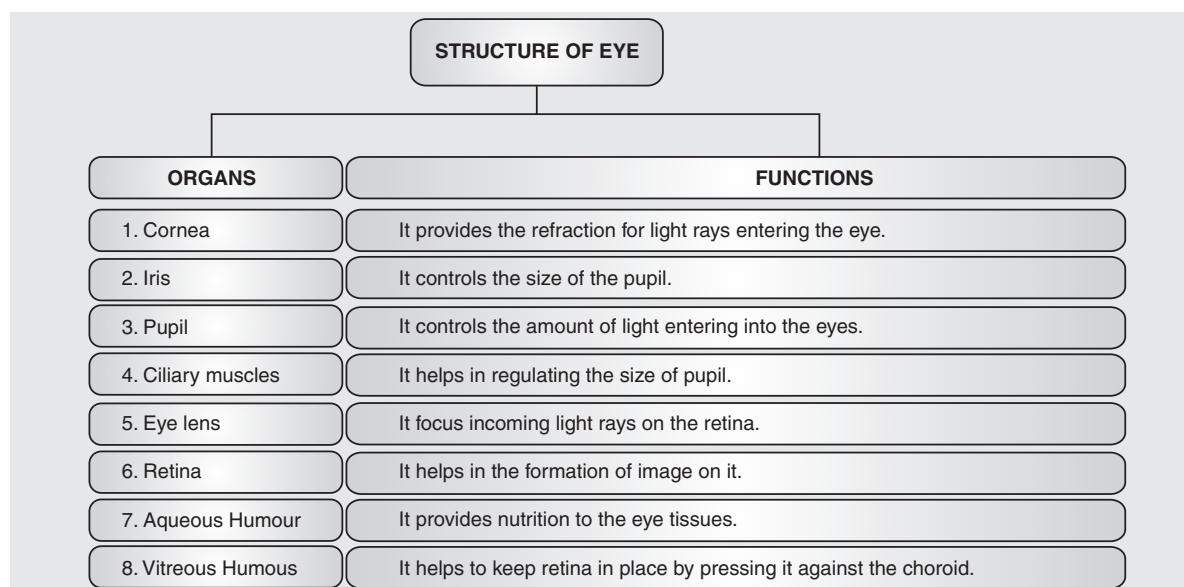
Flowchart





Chapter - 11 : Human Eye and Colourful World

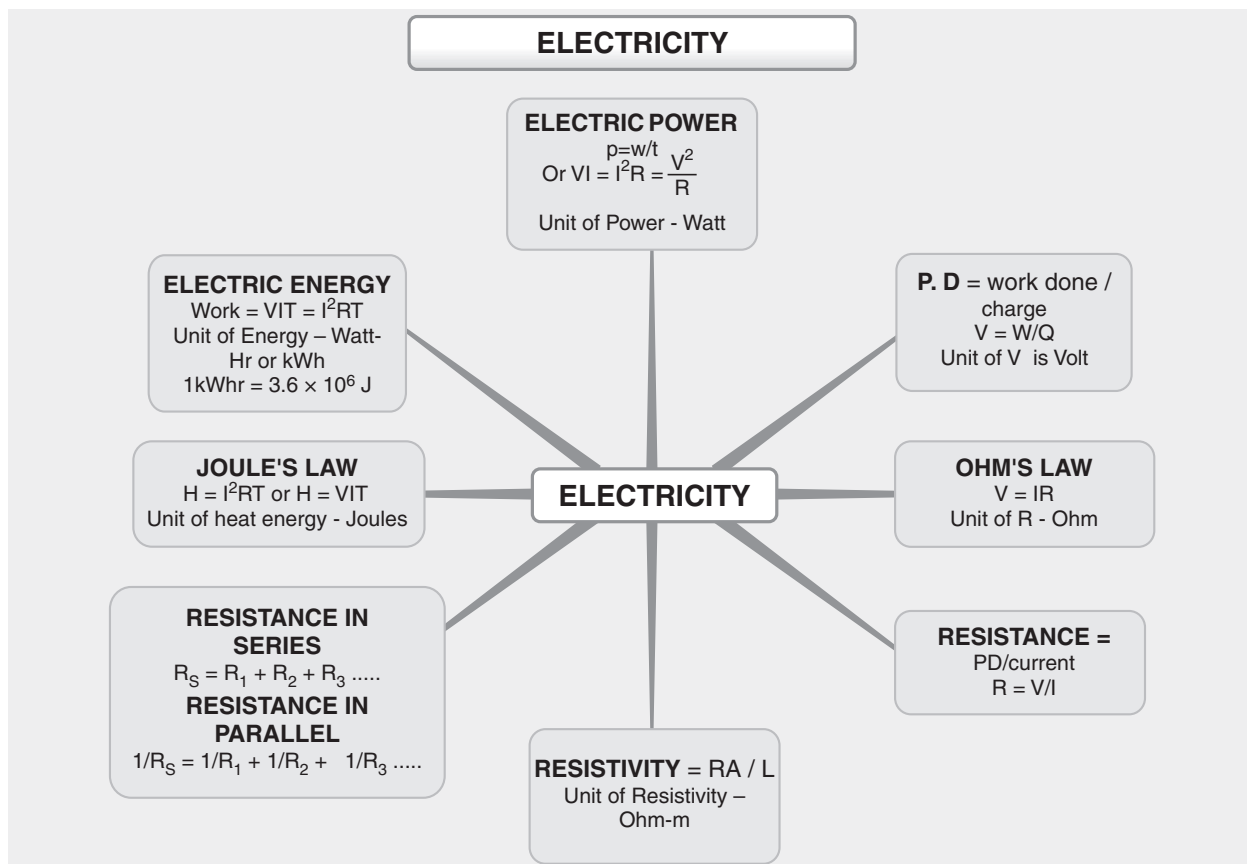
Flowchart



UNIT -IV : Effects of Current

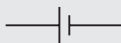
Chapter - 12 : Electricity

Flowcharts

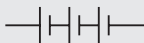


SYMBOLS USED IN ELECTRIC CIRCUIT

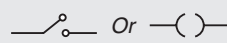
Electric cell



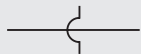
Battery



Key



Wire crossing



Bulb



Variable resistance



Resistance



Rheostat



Ammeter



Voltmeter



AC Source

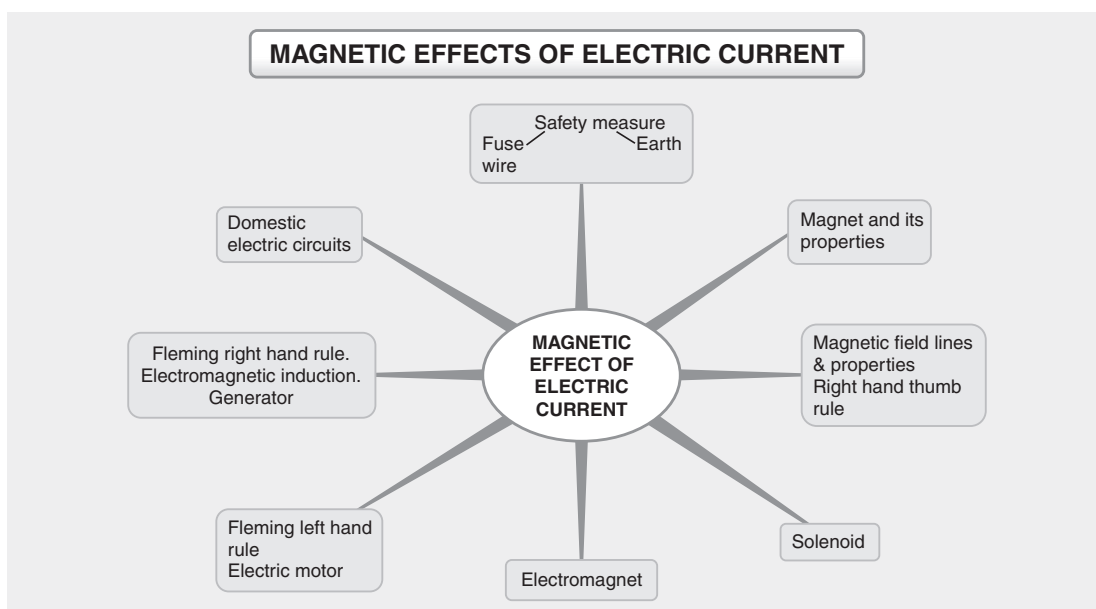


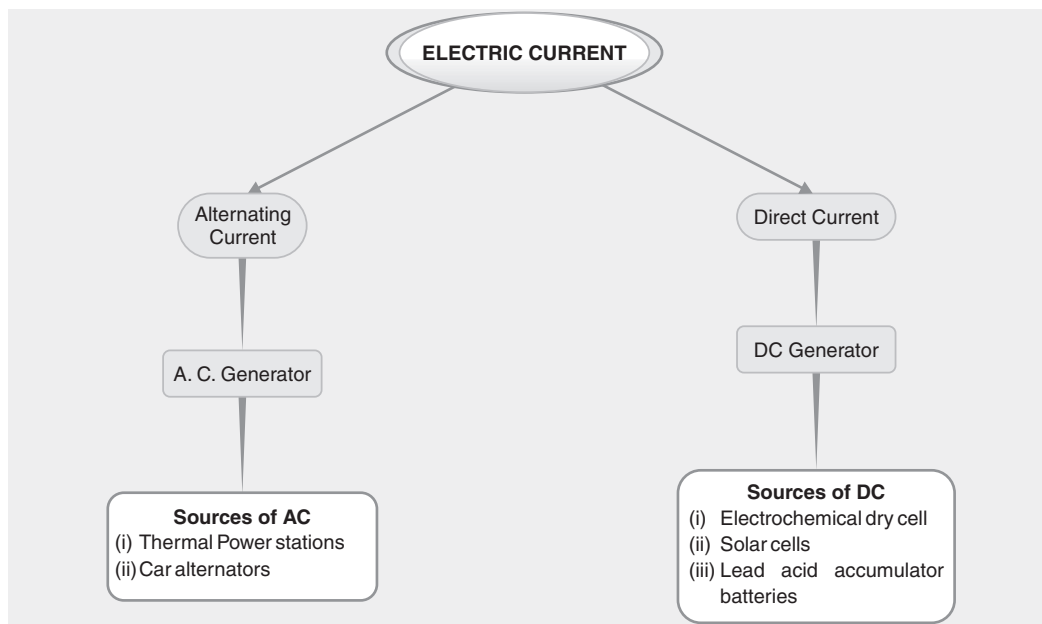
CIRCUIT COMPONENT	DESCRIPTION
Cell	Provides potential difference between two points
Battery	Combination of two or more cells connected in series
Bulb	To glow when circuit is switched on
Resistance	Controls current flowing through circuit
Rheostat	Variable resistance
Ammeter	Measures current flowing through circuit
Voltmeter	Measures potential difference between two points
Key	To open and closed the circuit
Fuse	Safety device
Wires	To connect circuit components
Galvanometer	Detects presence and direction of current in a wire



Chapter - 13 : Magnetic Effects Of Electric Current

Flowcharts

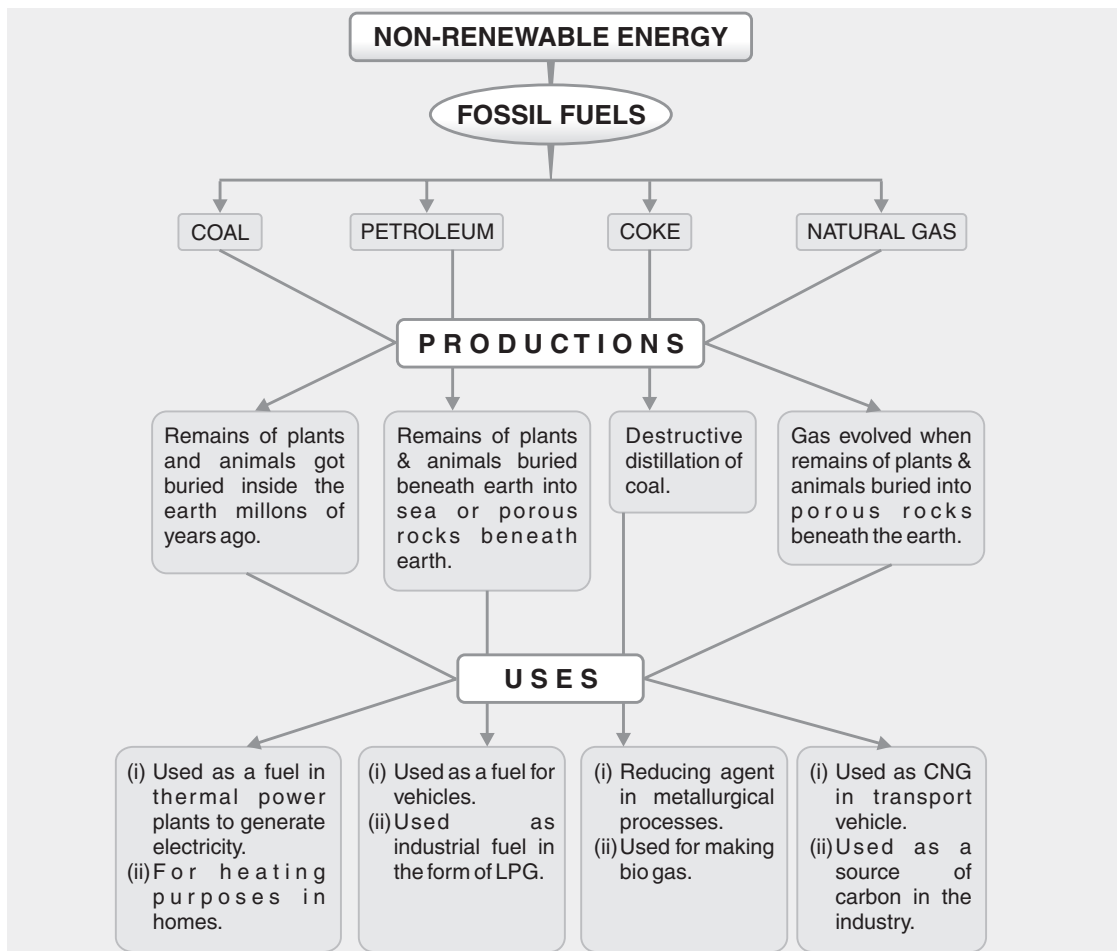


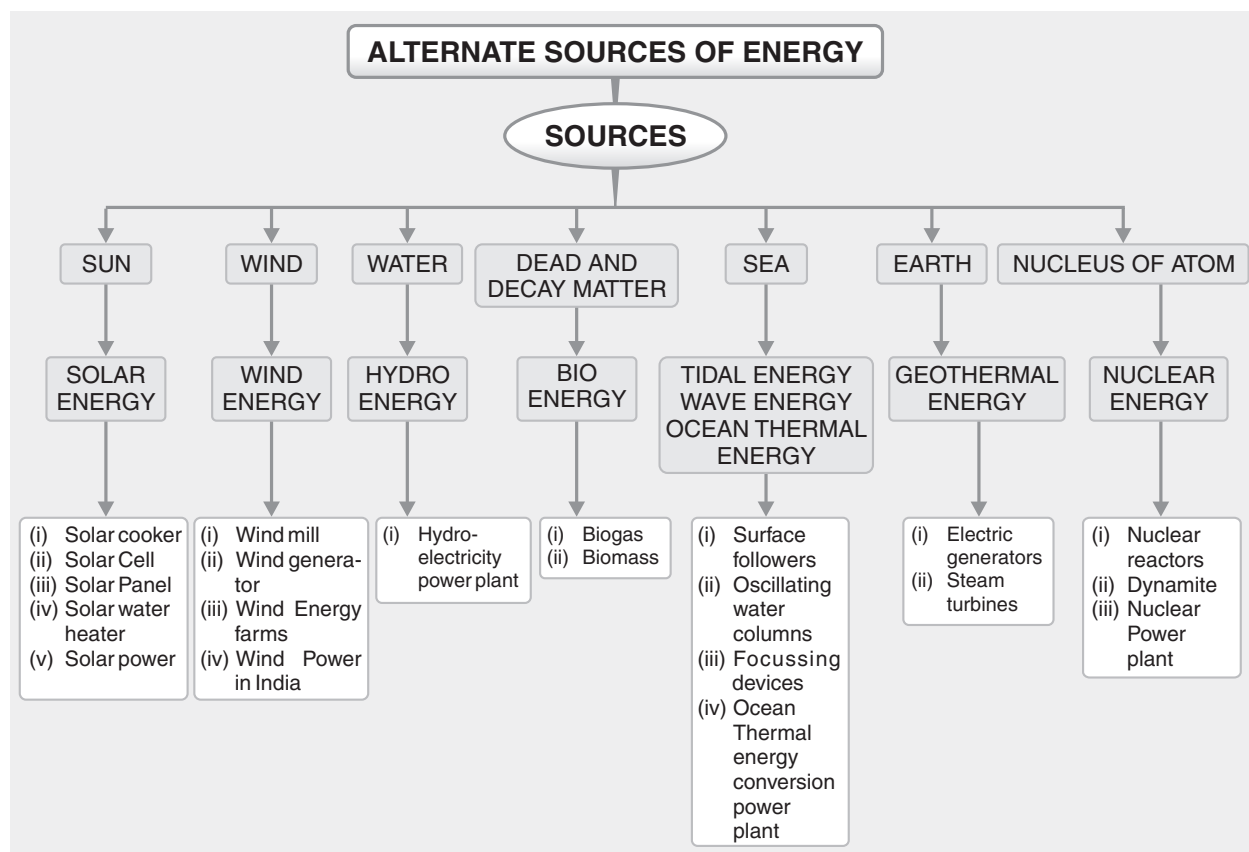
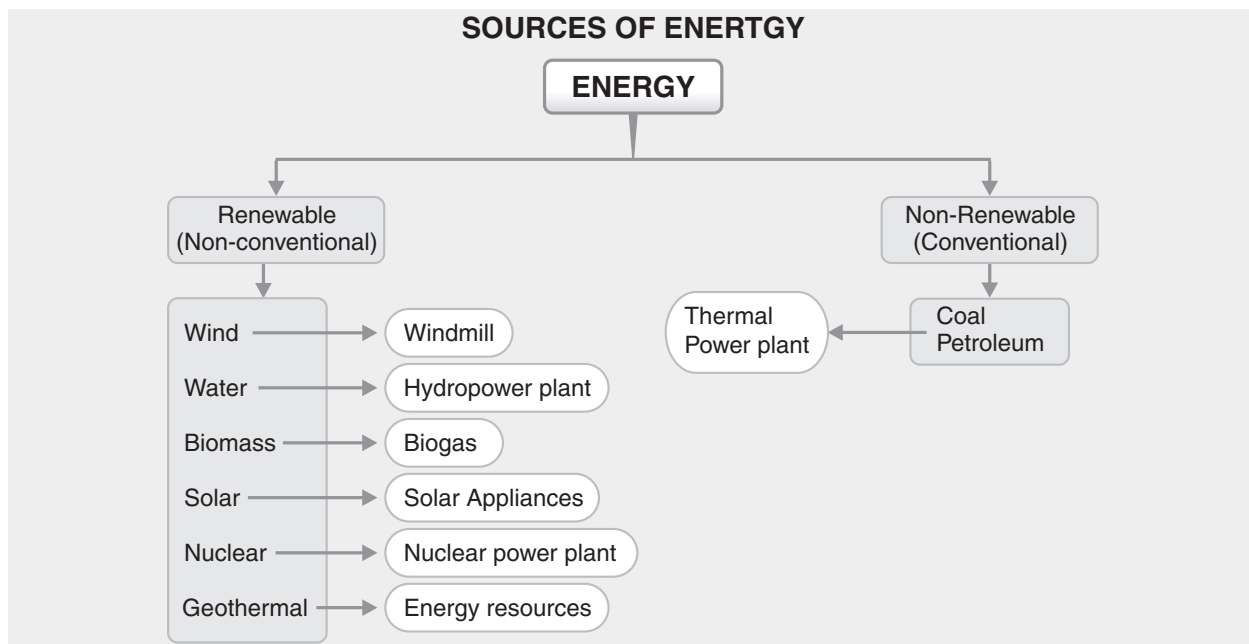


UNIT -V : Natural Resources

Chapter - 14 : Sources of Energy

Flowcharts





Chapter - 15 : Our Environment

Flowchart

