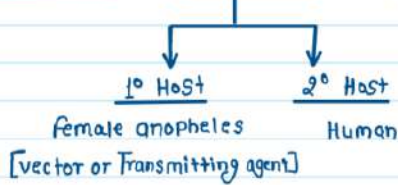


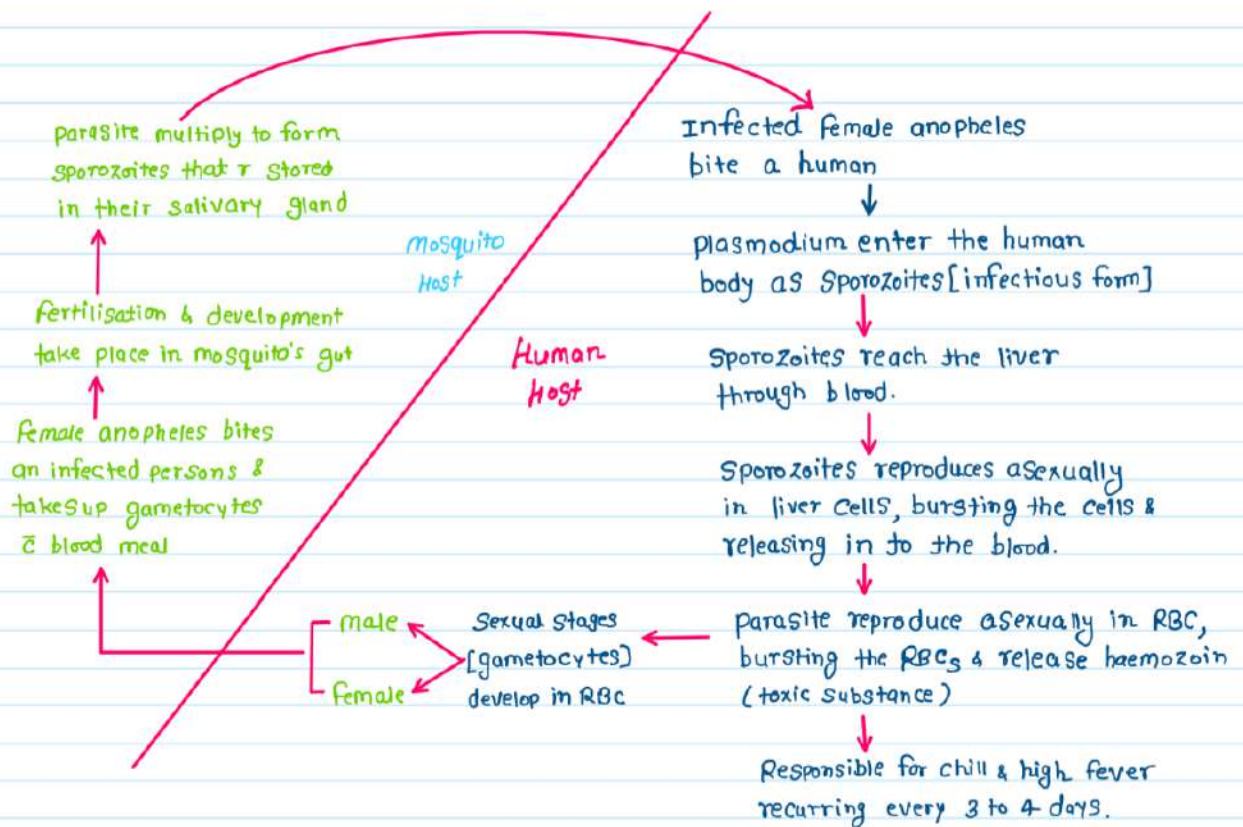
Malaria :-

caused by :- Plasmodium [a tiny protozoan] :- Digenic parasite



Plasmodium Species

- P. vivax
- P. malaria
- P. falciparum :- cause malignant malaria [most serious one & can even be fatal]



Bacterial Disease	Bacteria	Mode of Transmission (moT)	Symptoms
1. Typhoid or Enteric fever	Salmonella typhi (gram-ve)	<ul style="list-style-type: none"> Enter the small intestine through contaminated food & water migrate to other organs through blood 	<ul style="list-style-type: none"> High Fever [39-40°C] weakness Stomach pain Constipation Headache Loss of appetite Intestinal perforation & death may occur in severe case.
<u>note :-</u> Typhoid fever could be confirmed by Widal test. Mary Mallon (Typhoid Mary) :- Typhoid carrier			
2. pneumonia	Streptococcus pneumoniae & Haemophilus influenzae	Inhaling the droplets/aerosols released by an infected person or even by sharing glasses, utensils & infected person.	<ul style="list-style-type: none"> Alveoli get filled w/ fluid leading to severe problems in respiration. Fever, chills Cough, Headache <u>In severe case :-</u> Lips & Finger nails may turn gray to bluish
<u>Note :-</u> Dysentery, plague, Diphtheria & other bacterial disease in man			

viral Disease	virus	mode of Transmission (moT)	Symptoms
1. Common cold	Rhino viruses	Droplets resulting from cough or sneezes of an infected person & either inhaled or transmitted through contaminated object	<ul style="list-style-type: none"> Infect the nose & respiratory passage but not the lungs. Nasal Congestion & discharge Sore throat Hoarseness Cough Headache Tiredness ⊆ usually last 3-7 days
Protozoan Disease Amoebiasis or Amoebic dysentery	protozoan Entamoeba histolytica	<u>moT</u> - Food & drinking water contaminated by the faecal matter - House flies act as mechanical carriers	<ul style="list-style-type: none"> Constipation Abdominal pain & cramps Stool w/ excess mucus & blood clots.
Helminthes Disease			
1. Ascariasis	Ascaris	Faeces of infected persons ⊆ contaminate soil, water, plants (fruits & vegetables)	<ul style="list-style-type: none"> Internal bleeding muscular pain Fever Anemia Blockage of intestinal passage
2. Elephantiasis or Filariasis	Wuchereria bancrofti or W. Malayi	Bite by the female mosquito [Culex] vector	<ul style="list-style-type: none"> Chronic inflammation of organs usually lymphatic vessels of lower limbs Genital organs & also affected, resulting in gross deformities.
Fungal Disease Ring worm	Genera - - microsporum - Trichophyton - Epidermophyton	Soil or by using towels, clothes, comb of infected individuals	<ul style="list-style-type: none"> Dry, scaly lesions on body [skin, nails, scalp] These lesions are accompanied by intense itching Heat & moisture help these fungi to grow ⊆ makes them thrive in skin folds such as groin or b/w toes.