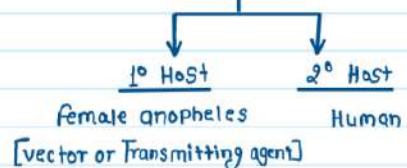
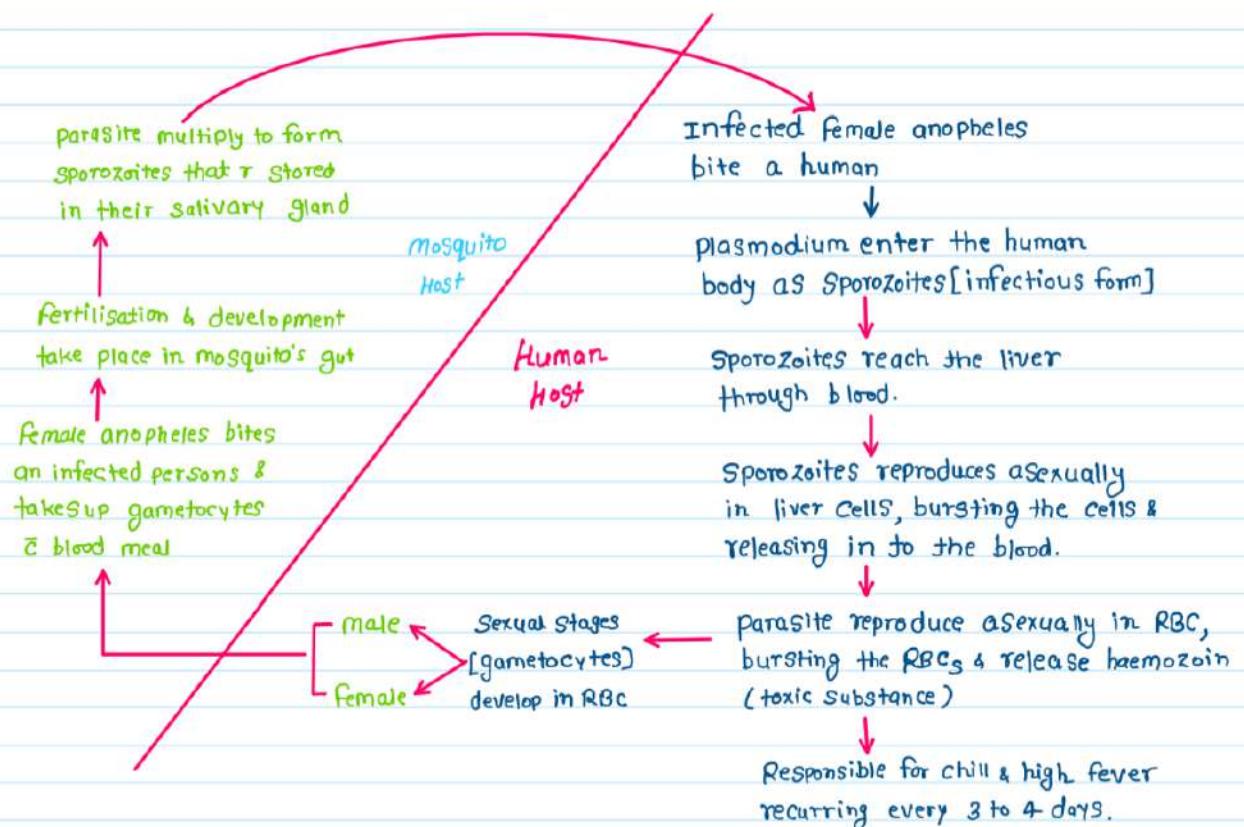


Malaria :-

Caused by :- plasmodium [a tiny protozoan] :- Digenetic parasite



Plasmodium Species → P. vivax
→ P. malariae
→ P. falciparum : cause malignant malaria [most serious one & can even be fatal]



Bacterial Disease	Bacteria	Mode of Transmission (moT)	Symptoms
1. <u>Typhoid</u> or <u>Enteric fever</u>	Salmonella typhi (gram-ve)	- Enter the small intestine through contaminated food & water - migrate to other organs through blood	- High Fever [39-40°C] - weakness - Stomach pain - Constipation - Headache - Loss of appetite - Intestinal perforation & death may occur in Severe case.
<i>Note :- Typhoid fever could be confirmed by Widal test. - mary mallon (Typhoid mary) :- Typhoid carrier</i>			
2. <u>pneumonia</u>	Streptococcus pneumoniae & Haemophilus influenzae	Inhaling the droplets/aerosols released by an infected person or even by Sharing glasses, utensils & infected person.	- Alveoli get filled with fluid leading to Severe problems in respiration. - Fever, chills - Cough, Headache <i>In Severe case :- Lips & Finger nails may turn gray to bluish</i>
<i>Note :- Dysentery, plague, Diphteria & other bacterial disease in man</i>			

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	- 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	moT - Food & drinking water contaminated by the faecal matter - House flies act as mechanical carriers	- Constipation - Abdominal pain & cramps - Stool & excess mucus & blood clots.
Helminthes Disease			
1. <u>Ascariasis</u>	Ascaris	Faeces of infected persons ≤ contaminate Soil, water, plants (fruits & vegetables)	- Internal bleeding - muscular pain - fever - Anemia - Blockage of intestinal passage
2. <u>Elephantiasis</u> or <u>Filariasis</u>	Wuchereria bancrofti or W. malayi	Bite by the female mosquito [Culex] vector	- Chronic inflammation of organs usually lymphatic vessels of lower limbs - Genital organs & also affected, resulting in gross deformities.
Fungal Disease Ring worm	General- - microsporum - Trichophyton - Epidermophyton	Soil or by using towels, clothes, comb of infected individuals	- 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.