

A JOINT VENTURE OF DIET AND SSK, PALAKKAD

**BIOLOGY
STANDARD 10**

4
**Keeping
Diseases Away**



**VICTERS CLASS -27
DATE:22/10/20**



1.Observe the figures

a) Identify the causative organism of these diseases

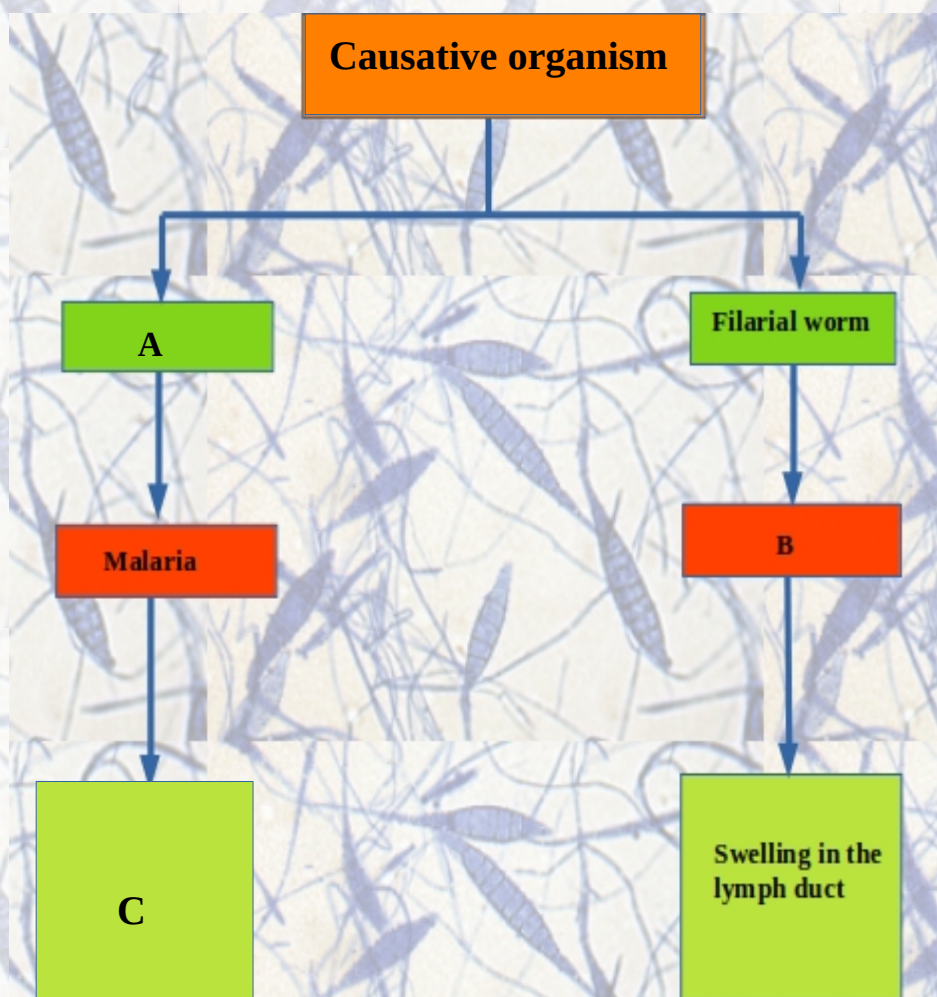
b) Complete the table given below by identifying A,B and C.

Disease	Symptom	Mode of Transmission
 Athletes' foot	B <hr/>	Through contact
 A <hr/>	Round red blisters on the skin	C <hr/>

2. Separate the statements related to protozoa from the given items.

- 1) Protozoans are unicellular prokaryotes.
- 2) Fungi comes under protozoa.
- 3) Protozoans are unicellular eukaryotes.
- 4) Plasmodium is a protozoa.
- 5) Filarial worm is a protozoa.
- 6) They have definite nucleus.

3. Complete the flowchart given below.



4. Identify the word pair relationship and complete it.

Malaria : Female Anopheles mosquito

Filariasis : _____

5. Observe the figure and answer the questions given below.



- 1) Identify the disease.
- 2) Write down the reason for swelling in the lymph duct when a person affected with this disease.

6. Analyse the given statements and correct the underlined part ,if there is any mistake.

- 1.Ring worm infection is caused due to protozoa and it is transmitted by mosquitoes.
- 2.Athletes' foot is a fungal disease and it is transmitted through touch.
3. Filariasis is a disease caused by fungi and are spread by mosquitoes.
4. Malaria is a disease caused by protozoa and its vector is man.

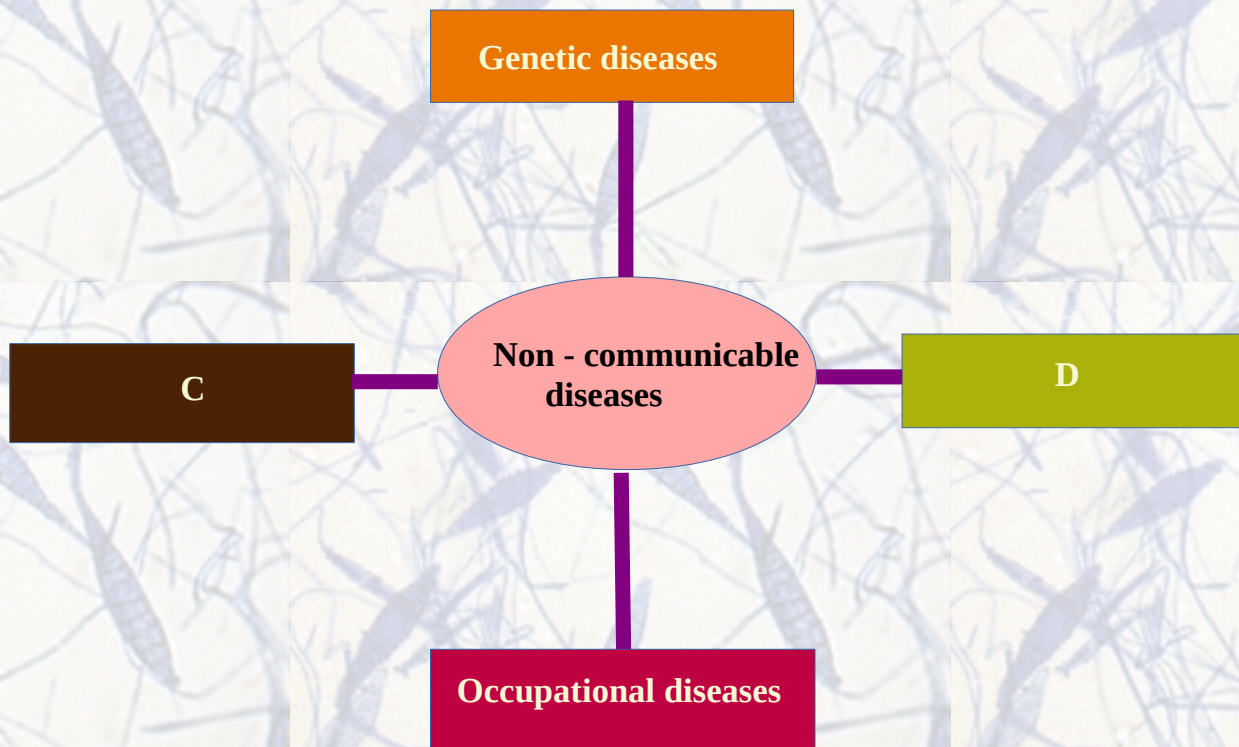
7. Analyse the News paper report and answer the questions

Thiruvananthapuram:Health department of Kerala, told the public to observe "Dry day",in order to control the spread of communicable diseases.it is necessary to avoid situations that lead to the multiplication of pathogens and vectors cause various communicable diseases.

- a) Observing 'Dry day' to control communicable diseases.What is your opinion in this regard? Why?

- b) Your school health club is conducting a seminar competition in connection with “World mosquito day”(August 20).You are a participant.Suggest any four important concepts which will you present in that seminar.

8. Complete the illustration by identifying C and D.



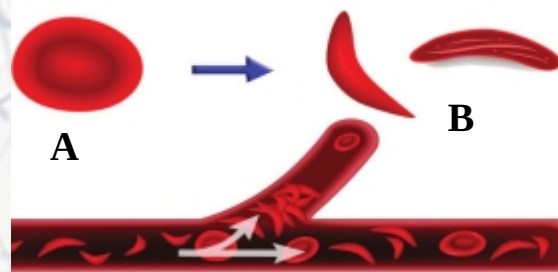
9. Pick out the odd one and write the common features of others.

Asbestosis,Filariasis,Pneumoconiosis,Silicosis

10. A patient is suffering from excess loss of blood even from minor wounds.

- 1) Identify his disease
- 2) In which category does this disease include?
- 3) Write the cause of this disease.
- 4) What is the treatment for this disease?
- 5) How can we help such patients?

11. Observe illustration and answer the questions given below.

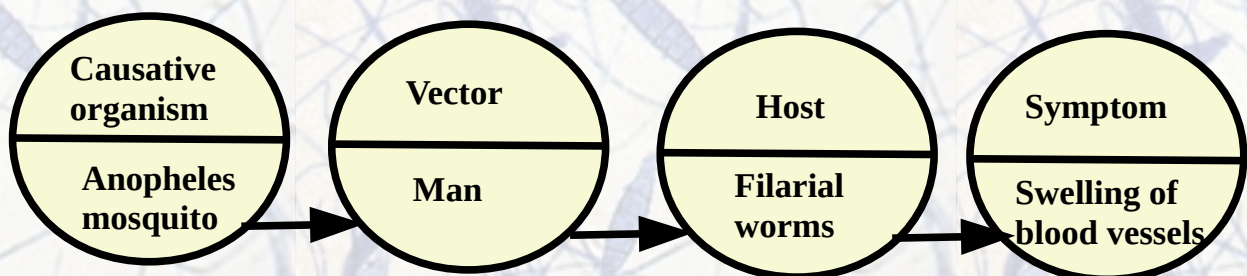


- 1) What difference can you notice in the shape of RBC in figure A and B? Write down the reason for this.
- 2) Name the disease to which B is related.
- 3) How does this deformity in shape of RBC affect patients body?

12. Identify the right pair

- | | | |
|---|---------------------|----------------------------|
| 1 | Haemophilia | : Non-communicable disease |
| 2 | Silicosis | : Communicable disease |
| 3 | Athletes' foot | : Genetic disease |
| 4 | Sickle cell anaemia | : Occupational disease |

13. Do you find any mistake in the flowchart prepared by Amal, related to Filariasis. If so, can you help him?



14. "All diseases in men are due to micro organisms". Do you agree with this? Justify with example.