

WELCOME TO THE ONLINE CLASS

SESSION NO.: 8

CLASS: 5

SUBJECT: SCIENCE

CHAPTER NUMBER: 2

CHAPTER NAME: FOOD AND HEALTH

SUB TOPIC: COMMUNICABLE DISEASES- THROUGH THE AIR

WE BREATHE, THROUGH THE INSECTS, THROUGH THE

CARRIERS

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- **To enable the learner to:**
 - **know the spread of communicable diseases**
 - **through the air we breathe**
 - **through the insects**
 - **through carriers**

WARM UP

- **The diseases that spread from one person to another.**
- **Give some examples of diseases that are caused due to bacteria.**
- **Give some examples of diseases that are spread through direct contact.**
- **Give some examples of diseases that are spread through infected food and water**

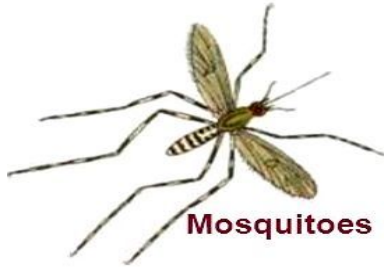
SPREAD OF COMMUNICABLE DISEASES THROUGH THE AIR

- Germs that cause diseases like chickenpox, whooping cough, diphtheria, influenza and scarlet fever are present in the discharge from the nose and the mouth of a patient.
- These diseases can spread through sneezing and coughing, when germs are passed from one person to another through the air.



SPREAD OF COMMUNICABLE DISEASES THROUGH INSECTS

- Diseases like malaria, yellow fever, plague, dengue and kala-azar are caused by blood sucking insects like mosquitoes, fleas, bugs and Sand flies.



SPREAD OF COMMUNICABLE DISEASES THROUGH INSECTS

- Plague is caused by the bites of rat-fleas.
- Dengue fever is transmitted to a person by the bite of an Anedes mosquitoes that is infected with dengue fever.
- Malaria is caused by a protozoan which is carried by the female Anopheles mosquitoes.



Anopheles



Aedes

SPREAD OF COMMUNICABLE DISEASES THROUGH CARRIERS

- **Some diseases spread by healthy carriers of germs.**
- **A healthy person may carry germs of typhoid, cholera, dysentery, etc. in his body.**
- **Such a person usually does not suffer from the disease.**
- **However, people who came into contact with the carrier are in danger of catching the disease.**

SPREAD OF COMMUNICABLE DISEASES THROUGH CARRIERS

- **AIDS is an incurable communicable disease that damages the immune system of the person and leads to death.**
- **It is spread by a virus called HIV.**



SUMMARY

- **Chickenpox, whooping cough, diphtheria, influenza and scarlet fever spread through air.**
- **Mosquitoes, fleas, bugs and Sand flies are carriers of communicable diseases like malaria, yellow fever, plague, dengue and kala- azar.**
- **AIDS is an incurable communicable disease that damages the immune system of the person and leads to death.**

READY FOR A
QUIZ ?

1. A disease that infects the immune system of a person.

Ans: AIDS

2.Name the mosquito that spreads malaria.

Ans: Female Anopheles mosquito

3. Name the diseases spread by mosquitoes.

Ans: Malaria, Dengue

HOMWORK

- Do the questions A, B, C & D in your notebook.

LEARNING OUTCOME

The learner will be able to

- **know the spread of communicable diseases**
 - **through the air we breathe**
 - **through the insects**
 - **through carriers**

THANKING YOU
ODM EDUCATIONAL GROUP