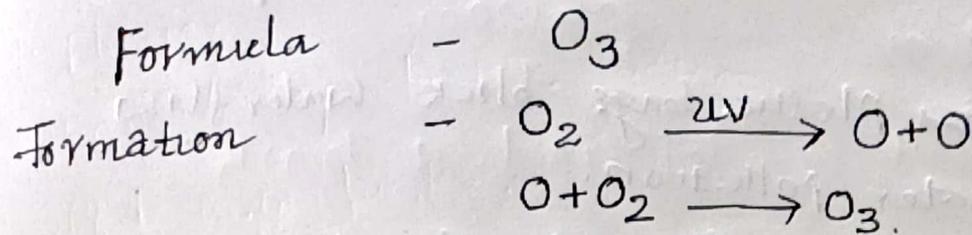


# OZONE



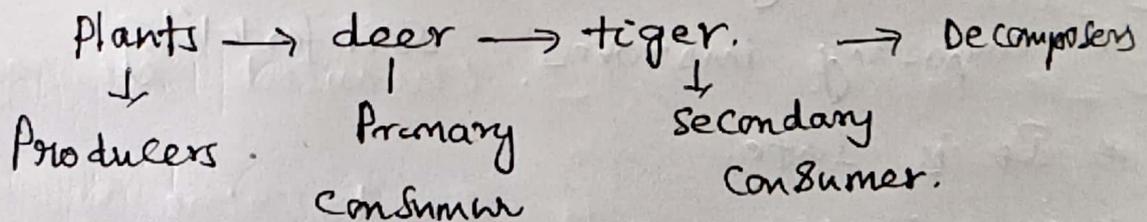
- a protective layer that absorption harmful UV radiation
- If ozone layer depletion, increased UV radiation leads to skin cancer, cataracts, reduced crop yield.
- Ozone depletion due to CFC and aerosols.

## Steps

- To protect environment  
Proper waste management  
Recycling  
Avoid CFC.

**Slogan** - Save Ozone,  
Avoid CFC.

## Food Chain



\* Producers  $\rightarrow$  Autotrophs.

\* deer  $\rightarrow$  Herbivores

\* Tiger  $\rightarrow$  Carnivores

\* Decomposers  $\rightarrow$  Recycles  
Eg: Bacteria, Fungi.

Main source  $\rightarrow$  1% (From Sun)

Energy transferred  $\rightarrow$  10%.

### 3. Non-Biodegradable ES: plastic bags.

#### Problems:

1. ~~Plas~~ plastic bags block water flow
2. Water pollution.
3. Kill aquatic animals.
4. Increase mosquito population
5. Health risk

#### Steps:

- Reduce, Reuse, Recycle
- ~~Composting~~ Waste Segregation.
- Avoid plastics
- Spread awareness.

4.

Better Method

(Waste disposal)

Burning

Composting.

- \* composting is better
- \* composting used as manure.
- \* composting improves soil fertility
- \* It is safe.
- \* ecofriendly

### 5. Give Some Suggestions - Sexually Transmitted Diseases.

1. Avoid useage of drugs
2. Follow hygiene methods.
3. Avoid Smoking
4. Avoid alcohol consumption

## 6. Aquatic System

### Food chain

- (1) Phytoplankton  $\rightarrow$  Zooplankton  $\rightarrow$  Small fish  $\rightarrow$  Crane.
- (2) Algae  $\rightarrow$  Small fish  $\rightarrow$  Large fish.

7. a Slogan on Environmental protection

Save Nature, Save future.

8. Traits  $\rightarrow$  Dominant | Recessive

① Mono hybrid cross

② Law of Independent Assortment

(or)  
Dihybrid cross.

8(q.) Homozygous  $\rightarrow$

TT	tt
YY	yy
RR	rr

Heterozygous  $\rightarrow$

Tt
Yy
Rr

TT/tt/YY/yy/RR  $\rightarrow$  Pure breed.

## VARIATIONS

Female foeticide — SLOGAN

Save the Girl child,  
Save the future

## Xylem - phloem

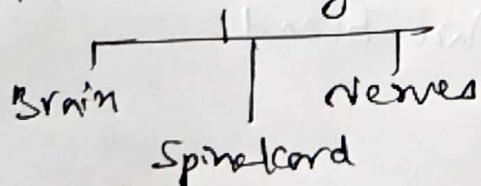
<u>Xylem</u>	<u>phloem</u>
1. Found in wood	1. Found in bark
2. Carries water and minerals	2. Carries food
3. Dead cells	3. Living cells
4. Support the stem	4. No support

1. Compare and contrast Nervous and hormonal mechanisms

### Nervous Mechanism

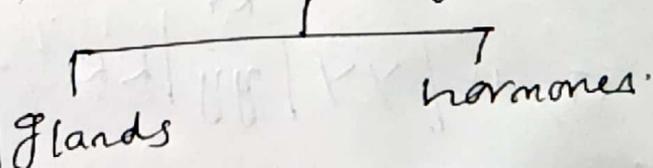
1. Very fast
2. Short term
3. Electrical impulses

### H. Nervous System



### Hormonal Mechanism

1. Slow
2. Long term
3. Chemical messengers
4. Endocrine system



## Blood

1. Red colour
2. Flows in blood vessels
3. B.p. high

## Lymph

1. Colourless
2. Flows in Lymph vessels
3. low

# Thyroxin

## Consequences

If iodine is deficient in our daily food.

1. Goitre
2. hypothyroidism
3. Slow growth
4. weak immune system.

## Suggest Measures

1. Take iodine rich foods
2. Use iodised salt
3. Monitor thyroid health
4. Consult a doctor if symptoms appear