

Chapter - 12

IMPROVEMENT IN FOOD RESOURCES

- What do we need to get energy ?
- What is that thing without we cannot survive ?

➔ Food

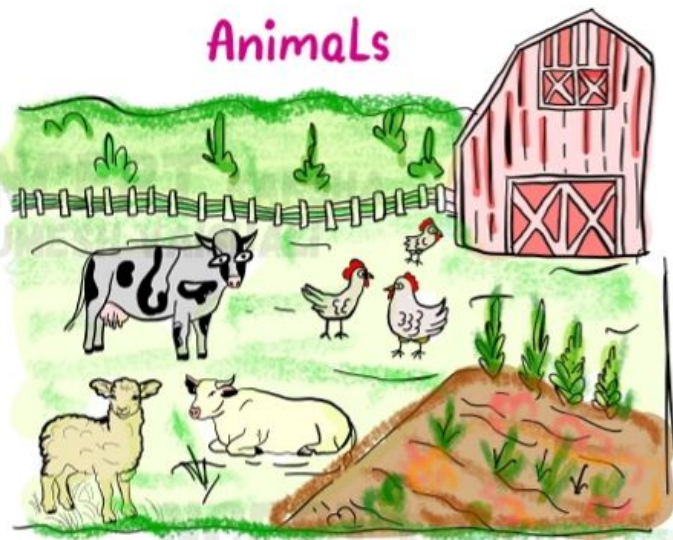
Plants



Agriculture

- Why is this necessary to improve production from agriculture and animal husbandry ?
- Why we cannot make do with the current levels of production ?

Animals



Animal Husbandry

➔ Efforts made so far

WAYS TO IMPROVE CROPS

Hybridisation

Crossing between genetically dissimilar plants.

Introducing a Gene

Introducing a gene that would provide the desirable characteristics.

Intervariatal

Interspecific

Intergeneric



Introducing a new gene to the plants :

- (i) **Higher Yield** : To increase the productivity of the crop per acre.
- (ii) **Improved Quality** : Baking quality is important in wheat, protein quality in pulses, oil quality in oilseeds and preserving quality in fruits and vegetables.

5. Protection :

- Poultry birds suffer from number of disease caused by virus (Bird flu), bacteria (Tuberculosis, Cholera), fungi (Aspergillosis), parasites as well as nutritional deficiency.
- Appropriate vaccination can prevent the occurrence of infectious diseases and reduce loss of poultry during an outbreak of disease.