

CLASS: IX

SUBJECT: BIOLOGY

CHAPTER: 15. IMPROVEMENT IN FOOD RESOURCES

METHODOLOGY OF ACTIVITY: FOOD PRODUCERS (ROLE PLAY)

- The teacher will allot the following roles to five students :
A farmer, a fisherman, a poultry farmer, a cattle herdsman and a beekeeper.
- After explaining their role, they are asked to enact how they would help each other.
- For example, the farmer will give the farm waste to cattle herdsman and poultry farmer.
The cattle herdsman in turn will give the waste materials to the farmer to produce manure for the field.
The poultry farmer will give the waste materials to the fisherman to feed the fishes.

QUESTION:

1. Why do we need improvement in food resources?

ANSWER GUIDE:

THINK ABOUT:

- What are food resources?
- What are the main components of balanced food?
- Is food considered a natural resource?
- Though fertilizers increase crop production, they are to be used in limited amount. Why?
- Why should preventive measures and biological control methods be preferred for protecting crops?
- What do you mean by sustainable practice?

QUESTION:

2. Is animal husbandry equally important as crop production?

ANSWER GUIDE:

THINK ABOUT:

- What is common in poultry, fisheries and bee-keeping with respect to increase in production of animals?
- Why is feed additives essential for dairy animals?
- Suggest a few methods to prevent occurrence of infectious diseases in cattle and poultry farming.
- How does a farmer get income, in case of crop failure?
- Could fishes be raised along with crops?