

CLASS: IX

SUBJECT: BIOLOGY

CHAPTER: 6. TISSUES

METHODOLOGY OF ACTIVITY: 'THE ART HISTOLOGY PROJECT' (HANDS-ON ACTIVITY)

- Each student selects a 'tissue type' from the chits provided.
- They will create their personal work of art / clay modeling based on the chosen tissue.
- They will write the following information adjacent to the artwork / clay modeling:
 - title of the tissue type
 - location of the tissue
 - characteristics of the tissue
 - label the parts of the tissue
- This activity will take one period.

QUESTION:

1. What is the need of tissues for a living thing?

ANSWER GUIDE:

THINK ABOUT:

- Why is cell important for life?
- Is 'division of labour' possible without tissues?
- How do cells form a tissue?
- Enlist the level of organization in multi-cellular organisms.

QUESTION:

2. Why does an organism need different types of cells in the body?

ANSWER GUIDE:

THINK ABOUT:

- What are the different functions of different organs in an organism?
- Is the water and food carried by different tissues in a plant?
- What do you mean by 'division of labour'?

QUESTION:

3. What will happen if cells are not organized into a tissue?

ANSWER GUIDE:

THINK ABOUT:

- How do cells specialize?
- What would happen if all the cells were of the same shape and size?
- What is differentiation? Why should it happen in an organism?