

D.A.V.PUBLIC SCHOOL, VELACHERY, CHENNAI-42
EXPERIENTIAL LEARNING FOR THE ACADEMIC YEAR 2019 - 20

CLASS: IX

SUBJECT: BIOLOGY

CHAPTER: 5. THE FUNDAMENTAL UNIT OF LIFE

METHODOLOGY OF ACTIVITY: 'POSTER MAKING'

- The teacher will explain to the students how to make a “wanted” poster of cell organelles.
- The poster needs to convey three things:
 1. What is the function of the organelle?
 2. Where is the organelle seen – in plant cell or animal cell or both?
 3. What other organelles work with it?
- The teacher will illustrate an example:

WANTED:	CHLOROPLAST
CRIME:	Responsible for green colour of the plant
(FUNCTION)	
LAST SEEN:	In a plant cell
SUSPECTED COHORTS:	Cell wall and vacuole
	(organelles that are seen only in plant cell)
- The students will be grouped into six teams and they will be made to pick up a chit to choose a ‘cell organelle’ and work on it.
- Time allotted for the activity : 10 minutes

QUESTION:

1. Are there any living beings without cell?

ANSWER GUIDE:

THINK ABOUT:

- Can life exist without cells?
- Which micro organism lacks membranes and cell organelles?
- Is there a life - form without a cell?

QUESTION:

2. Why do chromosomes look like thread like structures?

ANSWER GUIDE:

THINK ABOUT:

- What does every chromosome contain?
- How many chromosomes do humans have?
- How many chromosomes does a prokaryote have?

QUESTION:

3. Why are the structures in cells called organelles?

ANSWER GUIDE:

THINK ABOUT:

- Why do we have organs?
- What do you mean by ‘division of labour’ in multicellular organisms?
- Why do cells have organelles?