

EXPERIENTIAL LEARNING

CLASS: IX

SUBJECT: BIOLOGY

CHAPTER: 13. WHY DO WE FALL ILL?

METHODOLOGY OF THE ACTIVITY: DEMONSTRATION (GAME)

- The teacher will blow bubbles using soap solution and blowing wand at the students to demonstrate how some diseases can be air-borne.
- The students observe that each time a bubble lands on them, they may or may not have got infected with an air-borne pathogen. This depends on the student's immunity. This activity demonstrates how some diseases spread through air.
- A healthy habit can be taught by giving each student a tissue paper and ask them to stop the bubbles from touching them. This is also a good way to encourage them to use handkerchief or tissue when sneezing or coughing.

QUESTION:

1. Antibiotics kill bacterial cells but not our body cells. Give your opinion.

ANSWER GUIDE:

THINK ABOUT:

- Do bacteria have a cell wall?
- Does animal cell possess cell wall?
- What do you mean by biochemical pathway?
- Why is the cell wall of bacteria, a good target for antibiotics?

QUESTION:

2. "All infections result in a disease". Is it true or false. If false give reason.

ANSWER GUIDE:

THINK ABOUT:

- What do you mean by the term 'Infection'?
- How does a disease spread?
- What is immunity?
- What is the difference between infectious and contagious diseases?