

Objective

By the end of this lesson, you will be able to understand the basic structure and function of cells.

Materials and Prep

- Magnifying glass
- Pen and paper

No prior knowledge is required for this lesson.

Activities

1. Observing Cells

Take a look at different objects around your house (e.g., onion peel, leaf, hair strand) using a magnifying glass. Draw what you see and label the different structures you observe.

2. Researching Cell Types

Choose one type of cell (e.g., animal cell, plant cell, bacteria cell) and research its unique features. Write a short paragraph describing the cell's structure and function.

3. Building a Model

Using everyday materials (e.g., clay, playdough, recycled materials), create a model of a cell. Include the different organelles and label them accordingly.

Australia: Year 7 Talking Points

- "Cells are the basic building blocks of all living organisms."
- "Different types of cells have different structures and functions."
- "Animal cells and plant cells have similarities and differences."
- "Organelles are specialized structures within cells that perform specific functions."
- "Cells are the smallest unit of life."