



2.0 Cells play a vital role

- Key Concepts:**
- A **Microscope** is a scientific tool used to see very small structures
  - The **cell** is the basic unit of life - all organisms have at least one cell
  - Structures in cells are called **organelles** which carry out specific life functions
  - Organisms can be single celled or multi-celled
  - Substances move in and out of cells by **diffusion** and **osmosis**
  - All cells have a **selectively permeable membrane**
  - **Cells** form **tissue** (four types – **connective, epithelial, nervous and muscular**), tissue forms **organs** and organs work together to make **organ systems**

Label the parts of the microscope and identify their function (see pgs. 100-101)

Microscope

Parts

Function



1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

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