

Cells as the Basis of Life

BIO11-8

2 inquiry questions • 8 dot points

1 What distinguishes one cell from another?

- investigate different cellular structures, including but not limited to:...
- describe a range of technologies that are used to determine a cell's structure and function
- investigate a variety of prokaryotic and eukaryotic cell structures, including but not limited to:...

2 How do cells coordinate activities within their internal environment and the external environment?

- investigate the way in which materials can move into and out of cells, including but not limited to:...
- investigate cell requirements, including but not limited to:...
- investigate the biochemical processes of photosynthesis, cell respiration and the removal of cellular products and wastes in eukaryotic cells
- conduct a practical investigation to model the action of enzymes in cells
- investigate the effects of the environment on enzyme activity through the collection of primary or secondary data