

Unit 2 – Cells – Structures and Functions

B2.4g

Explain that some structures in the modern eukaryotic cell developed from early prokaryotes, such as mitochondria, and in plants, chloroplasts.

**B2.4h**

**Describe the structures of viruses and bacteria.**

**B2.4h.a I can describe the structures of viruses.**

**B2.4h.b I can describe the structures of bacteria.**

B2.4i

Recognize that while viruses lack cellular structure, they have the genetic material to invade living cells.

**B2.5g**

**Compare and contrast plant and animal cells.**

B2.5h

Explain the role of cell membranes as a highly selective barrier (diffusion, osmosis, and active transport).

**B2.5i**

**Relate cell parts/organelles to their function.**