

## **IGCSE Biology (9-1) Specification 2(b)**

### **(b) Cell structure**

#### **Students should:**

- 2.2** describe cell structures, including the nucleus, cytoplasm, cell membrane, cell wall, mitochondria, chloroplasts, ribosomes and vacuole
- 2.3** describe the functions of the nucleus, cytoplasm, cell membrane, cell wall, mitochondria, chloroplasts, ribosomes and vacuole
- 2.4** know the similarities and differences in the structure of plant and animal cells
- 2.5B** explain the importance of cell differentiation in the development of specialised cells
- 2.6B** understand the advantages and disadvantages of using stem cells in medicine

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