

**NATURAL SCIENCES GRADE 9**

**MEMORANDUM**

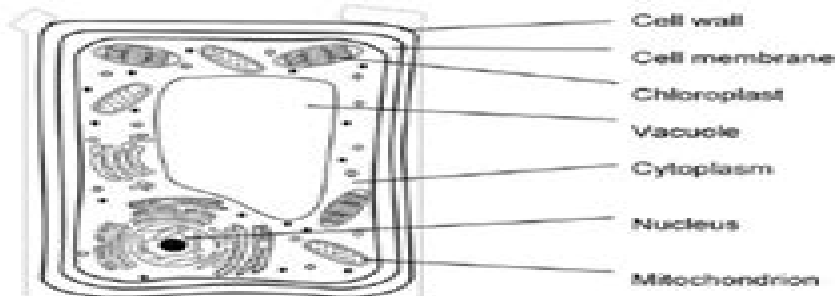
**CONTENT MANUAL (BASIC CONCEPTS WITH ACTIVITIES) ATP 2022**

**TERM 1**

**Strand: Life and Living**

**Informal activity – Plant cell**

- Name the smallest unit of all living organisms. *Cell* ✓ (1)
- Label the plant cell below.



(1 × 7 = 7)

- Identify from the drawing above, the component / organelle which performs each of the functions below:

Function	Name of component or organelle
Contains the DNA which determines the inherited characteristics.	<i>Nucleus</i> ✓
It surrounds the contents (cytoplasm) of the cell and controls the materials which pass into or out of a cell (selectively permeable).	<i>Cell membrane</i> ✓
A jelly-like substance which provides the liquid medium for all the chemical reactions that take place in the cell.	<i>Cytoplasm</i> ✓
The organelle in which cellular respiration takes place to release energy from glucose.	<i>Mitochondrion</i> ✓
The organelle that contains chlorophyll for photosynthesis.	<i>Chloroplast</i> ✓
It surrounds the cell membrane and provides support and protection.	<i>Cell wall</i> ✓
Fluid-filled sacs that store substances such as water, sugar, and salts.	<i>Vacuole</i> ✓

(7)

- Name **TWO parts/organelles** VISIBLE in the diagram that prove that this is a PLANT cell. *Cell wall, ✓ chloroplasts, ✓ one big vacuole* ✓ (ANY TWO) (2)
- Which component of a plant cell is responsible for its regular shape? *Cell wall* ✓ (1)

# Natural Sciences Grade 9 Caps Exemplar Question Papers Pdf

**Luize Kroukamp**



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