

**Tabulating information memorandum**

1. In a table list the organelles of an **animal cell**, giving the structure and function of each organelle.

<b>Organelle</b>	<b>Structure</b>	<b>Function</b>
<b>Cell membrane</b>	<b>Thin, living membrane found on the inside of the cell wall</b>	<b>Controls the entry and exit of substances into and out of the cell</b>
<b>Cytoplasm</b>	<b>A jelly like substance Makes up most of the cell</b>	<b>Contains all the organelles</b>
<b>Mitochondria</b>	<b>Small rod-shaped structures</b>	<b>Referred to as the power house of the cell as they break food to release energy. This process is called cellular respiration</b>
<b>Vacuoles</b>	<b>Small vacuoles More than one may be present</b>	<b>Help regulate water content inside the cell</b>
<b>Nucleus</b>	<b>A spherical structure found in living cells Made up of double membrane Contains a substance called nucleoplasm Has a smaller dense body called nucleolus</b>	<b>Controls everything that takes place inside the cell Controls all the activities of the cell Contains genetic materials to pass on hereditary information</b>

2. Study the diagrams and information on plant and animal cells and fill in the table comparing the differences between plant and animal cells.

<b>Characteristics</b>	<b>Plant cell</b>	<b>Animal cell</b>
Cell wall	<b>Present</b>	<b>Not present</b>
Cell membrane	<b>Present on the inside of the cell wall</b>	<b>Present and is the only outer covering of the cell</b>
Cell shape	<b>Regular shape – generally brick or rectangular shape</b>	<b>Irregular shape - generally rounded</b>
Vacuole	<b>Large and permanent</b>	<b>Usually absent, if present small</b>
Chloroplast	<b>Present and responsible for photosynthesis</b>	<b>Not present</b>