

Making a model cell - Afl

Imagine a Science Museum has asked you to make a model cell for a display.

- ① Make a 3D model of a plant or animal cell.
- ② Use keywords to label each part of the cell clearly.
- ③ Make an information card with a key to describe what cells are.

Keywords: cell membrane, cell wall, cytoplasm, nucleus, permanent vacuole, chloroplast

To get level	You might have:
Yet to meet expectation	<ul style="list-style-type: none"> • Basic model made showing outline shape of a plant or animal cell • Some organelles labelled but not all.
In line with expectations	<ul style="list-style-type: none"> • Made a model cell and labelled all organelles clearly. • Organelles are placed and scaled sensibly • Information card with basic functions of organelles given.
Above expectations	<ul style="list-style-type: none"> • Complete all the above criteria. • Using scientific detail, explained how the cell's shape helps it do its job. • Some additional organelles other than those listed above included in the model.
Exceptional	<ul style="list-style-type: none"> • Independent research of additional organelles included in the information card • Processes such as diffusion, osmosis and DNA replication linked to structures in the model.