

Investigating Cells *Checklist*

Investigating Living Cells (* = Credit outcomes)

1. **Cells are the basic units of living things.**
2. **Cells are stained to show up their internal structures.**
3. **Animal and plant cells contain**
 - (i) **a nucleus which controls all the cell's activities**
 - (ii) **cytoplasm where all the chemical reactions inside a cell take place**
 - (iii) **a cell membrane which controls what substances can enter or leave the cell.**
4. **In addition, plant cells also may contain**
 - (iv) **a cell wall made of cellulose which gives the plant cell its shape**
 - (v) **a sap vacuole (containing a solution of sugars and salts) which helps maintain the cell in a firm state**
 - (vi) **chloroplasts which absorb light energy for use in photosynthesis.**