

Compare the two main types of microscope.

[6 marks]

[illegible]

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Level 3: There is a clear and detailed comparison of the two types of microscope.	5 - 6
Level 2: The types of microscopes are named and some features of both are described. For four marks, at least one comparison statement is made.	3 - 4
Level 1: There are simple statements that identify the two main types of microscope and describe one or both in limited detail. Two marks can be awarded for two statements.	1 - 2
No relevant content.	0
Indicative content Light microscopes: <ul style="list-style-type: none"> • have a lower resolution (than electron microscopes) • have a lower magnification (than electron microscopes) • show specimens in colour • can be used to view living specimens • are smaller/portable/less expensive (than electron microscopes) Electron microscopes: <ul style="list-style-type: none"> • have a higher resolution (than light microscopes) • have a higher magnification (than light microscopes) • can be used to view smaller sub-cellular structures in more detail • damage or kill specimens/cannot be used to view living cells • are larger and more expensive (than light microscopes) • only show specimens in black and white 	