

Question Number	Answer	Mark
*1(b)QWC	<p>(QWC - Spelling of technical terms must be correct and the answer must be organised in a logical sequence)</p> <ol style="list-style-type: none"> 1. <i>nucleolus</i> {disappears / breaks down} / eq ; 2. <i>nuclear</i> {envelope/membrane} breaks down / eq ; 3. <i>centrioles</i> move to (opposite) poles / <i>centrioles</i> separate / eq ; 4. {<i>spindle</i> / <i>spindle</i> fibres / <i>asters</i>} form / are visible / are produced by <i>centrioles</i> / eq ; 5. {<i>chromosomes</i> / <i>chromatids</i>} become visible / eq ; 6. {<i>chromosome</i> / <i>chromatid</i> /<i>chromatin</i> } condenses / DNA coils / eq ; 7. (chromosomes can be seen as) {pairs of /sister } <i>chromatids</i> / eq ; 8. correct reference to <i>centromere</i> (holding chromatids in pairs) ; 	(5)

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2 (a)	<ol style="list-style-type: none"> 1. natural ; 2. evolution / speciation / reproduction; 3. behavioural ; 	(3)

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2 (b)	<table border="1" data-bbox="389 315 1238 752"> <thead> <tr> <th data-bbox="389 315 919 383">Description</th> <th data-bbox="919 315 1238 383">Adaptation</th> </tr> </thead> <tbody> <tr> <td data-bbox="389 383 919 517">Hearing becoming temporarily less sensitive after listening to a loud music for a few hours</td> <td data-bbox="919 383 1238 517">Physiological ;</td> </tr> <tr> <td data-bbox="389 517 919 618">Heart beats faster when the hormone adrenaline is released</td> <td data-bbox="919 517 1238 618">Physiological ;</td> </tr> <tr> <td data-bbox="389 618 919 752">People in a cold climates having a shorter neck than people living in hot, dry conditions</td> <td data-bbox="919 618 1238 752">Anatomical ;</td> </tr> </tbody> </table>	Description	Adaptation	Hearing becoming temporarily less sensitive after listening to a loud music for a few hours	Physiological ;	Heart beats faster when the hormone adrenaline is released	Physiological ;	People in a cold climates having a shorter neck than people living in hot, dry conditions	Anatomical ;	(3)
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