Biological approach revision guide

**The brain and behaviour**

For each of the following questions, be able to do the following:

1. Think about which terms and/or theories would be necessary to define or explain.
2. Provide 2 - 3 studies that could be used to answer the question.
3. How would you demonstrate critical thinking relevant to the question?
4. How would different command terms lead to different responses? (SAQ: Outline, describe, explain); ERQ (Discuss, evaluate, contrast, to what extent)

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| **Question 1**.  Discuss **one or more** techniques used to study the brain in relation to behaviour. |
| Key vocabulary / description of theory |  |
| Research  |  |
| Critical thinking |  |
| Different command terms | SAQs:  Outline, describe and explain; ERQs:  Evaluate, Contrast |

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| **Question 2.**  Discuss localization of behaviour.  |
| Key vocabulary / description of theory |  |
| Research  |  |
| Critical thinking |  |
| Different command terms | SAQs:  Outline, describe and explain; ERQs: Evaluate research |

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| **Question 3.**  Discuss research on neuroplasticity.  |
| Key vocabulary / description of theory |  |
| Research  |  |
| Critical thinking |  |
| Different command terms | SAQs:  Outline, describe and explain; ERQs: Evaluate |

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| **Question 4.**  Discuss neurotransmitters and their effect on behaviour.  |
| Key vocabulary / description of theory |  |
| Research  |  |
| Critical thinking |  |
| Different command terms | SAQs:  Outline, describe and explain; ERQs: Evaluate research |

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| **Question** **5**.  Discuss ethical considerations in the study of the brain and behaviour |
| Key vocabulary / description of theory |  |
| Research  |  |
| Critical thinking |  |
| Different command terms | SAQs:  Outline, describe and explain; ERQs: No other command terms may be used. |

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| **Question 6**.  Discuss the use of one research method in the study of the brain and behaviour |
| Key vocabulary / description of theory |  |
| Research  |  |
| Critical thinking |  |
| Different command terms | SAQs:  Outline, describe and explain; ERQs: Evaluate, contrast |

**The following questions will only be asked on the 2020 exam and later - and will only be asked as SAQs.**

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| **Question 7**.  Explain the role of antagonists with reference to one study.  |
| Key vocabulary / description of theory |  |
| Research  |  |
| Different command terms | Outline, describe, explain. This question may not be an essay question. |

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| **Question 8**.  Explain the formation of neural networks with the use of one study |
| Key vocabulary / description of theory |  |
| Research  |  |
| Different command terms | Outline, describe, explain. This question may not be an essay question. |

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| **Question 9.**  Explain neural pruning with reference to one study.   |
| Key vocabulary / description of theory |  |
| Research  |  |
| Different command terms | Outline, describe, explain. This question may not be an essay question. |

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| **Question** **10**.  Explain the role of one agonist with reference to one study. |
| Key vocabulary / description of theory |  |
| Research  |  |
| Different command terms | Outline, describe, explain. This question may not be an essay question. |