**independent study on Biopsychology**

* **Ways of investigating the brain**

**These notes will provide you with the core knowledge you need for the lessons on this topic.**

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| **Skill** | **Key questions** | **Notes complete** | **How well do you understand this?** **Write RED, AMBER or GREEN** |
| **Functional magnetic resonance imaging (fMRI)** |
| AO1 | How does **Functional magnetic resonance imaging (fMRI**) work?  |  |  |
| AO1 | What does a fMRI brain scan show us?  |  |  |
| **Electroencephalogram (EEG)** |
| AO1 | What do **electroencephalogram (EEGs**) measure?  |  |  |
| AO1 | What do the scan recordings represent?  |  |  |
| AO1 | What are the 4 types of **EEG waves**?  |  |  |
| AO1 | What are **amplitude** and **frequency**?  |  |  |
| AO1 | **Why** are EEGs used by clinicians?  |  |  |
| **Event-related potentials (ERPs)** |
| AO1 | What is the **difference** between an EEG and an ERP?  |  |  |
| A01 | What is the **statistical averaging technique**?  |  |  |
| A01 | What has **research** revealed?  |  |  |
| **Post-mortem examinations** |
| AO1 | What is a **post mortem**?  |  |  |
| AO1 | In psychology, **whose** brain might be used in a post-mortem?  |  |  |
| AO1 | **Why** do Psychologists wants to examine the brain after death?  |  |  |
| AO1 | What is **spatial resolution**?  |  |  |
| A01 | What is **temporal resolution**?  |  |  |