

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.

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?		
AO1	What is the statistical averaging technique ?		
AO1	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 want to examine the brain after death?		
AO1	What is spatial resolution ?		
AO1	What is temporal resolution ?		