Homework, EEG

1. The electrooculogram measures electrical activity caused by movements of the eyes. It comes about because the retina is negatively charged relative to the cornea. Movement of this dipole can generate electrical currents in electrodes placed by the eye. It is used in REM sleep evaluations. It can evaluate retinal pigment epithelium disorders. It is not proven to be useful in diagnosing glaucoma, such as the VEP is proposed.

2. Generally, alpha waves can dominate the EEG when the subject has eyes closed and is relaxed. Upon opening the eyes the additional stimulus will cause the EEG to become dominated by beta waves.