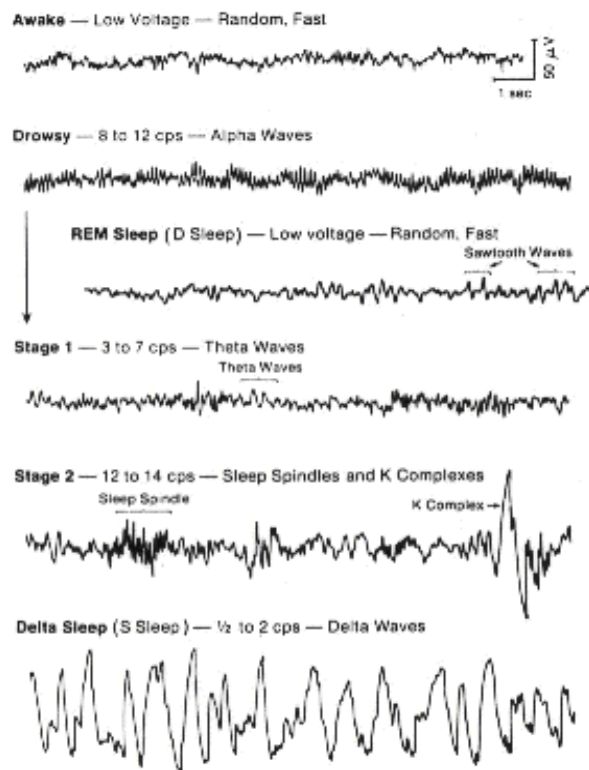


Modern Technology and the Nervous System

A number of fairly recent technologies help us to chart the brain and investigate the nervous system. These include:

- EEG stands for electroencephalograph. This machine measures electrical activity in the brain is useful for diagnosing epilepsy, brain tumors, and sleep disorders
- CAT scans - stands for computerized tomography. This machine takes a series of cross-sectional X-rays to create a computer-generated three-dimensional image.
- MRI - stands for magnetic resonance imaging, which uses a combination of large magnets, radio frequencies, and computers to produce detailed images
- PET stands for positron emission tomography. This can scan the brain and show which areas of the brain are most active when the subject is performing different tasks



Example of an EEG