



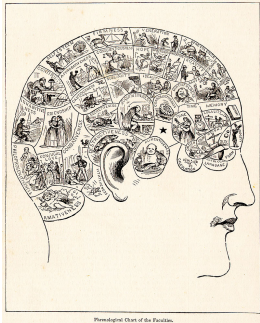
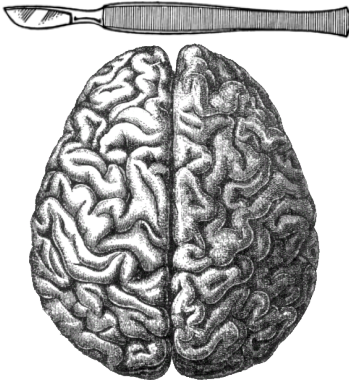
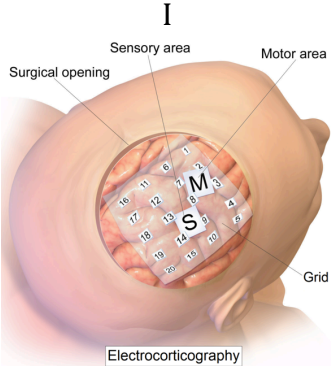
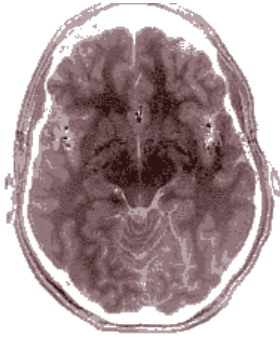
Historical Approaches to the Study of the Brain

Use the pictures and the questions below to develop a set of notes in chronological order.

These are the headings you will need (not in order):

Modern neuroimaging | Brain ablation | Phrenology

Descartes and the mind=body problem | Brain versus heart | Electrical stimulation of the brain

				 <p>Image provided by Blausen Medical</p>	 <p>Image from Wikimedia Commons</p>
<ul style="list-style-type: none"> •What did the ancient Egyptians believe about the heart and the brain and their contributions to thought and emotion? •Who were the first proponents of the “brain hypothesis” and what did they believe? 	<ul style="list-style-type: none"> •What is meant by the term “mind-body problem”? •What did Descartes believe about the mind and the body? •How does the concept of consciousness relate to this question? 	<ul style="list-style-type: none"> •What does the term “phrenology” mean? •What is the modern consensus on the concept of phrenology? •Which idea about the brain that was evident in the work of phrenologists has continued to be influential? 	<ul style="list-style-type: none"> •What does brain ablation mean? •Why is this considered unethical, except in medical contexts? 	<ul style="list-style-type: none"> •How is this method carried out? •Why is it possible to stimulate the brain electrically without a patient feeling pain? •What knowledge about the brain did this method provide? 	<ul style="list-style-type: none"> •What is the difference between structural and functional neuroimaging? •Describe the features and benefits of each type of neuroimaging: CT MRI PET fMRI