II A Tour Through the Brain

* Localization of Function-Define
  + Who originated it?

1. The Brain Stem

* Brain Stem- Define
  + 2 main structures?
    - Name and Define

* + - Name and Define
  + Reticular Activating System-Define

1. The Cerebellum

* Cerebellum- Define
  + What would happen if damaged?
  + Why is it not as “lesser” as thought?

1. The Thalamus

* Thalamus- Define
  + Examples
  + Which sense bypasses the thalamus?
    - Olfactory Bulb- Define

1. The Hypothalamus and the Pituitary Gland

* Hypothalamus- Define
* Pituitary Gland- Define
  + Explain James Olds and Peter Milner Experiment and its findings?
* Limbic System- Define
  + Example Jobs?

1. Amygdala

* Amygdala- Define
  + Example

1. Hippocampus

* Hippocampus- Define
  + Jobs?
  + H.M.- Explain story and findings-
  + Consolidation- Define

1. The Cerebrum

* Cerebrum- Define
* What has the cerebrum done for humans?
* Cerebral Hemispheres- Define
* Corpus Collosum- Define
* Lateralization- Define

1. The Cerebral Cortex- Define
   1. How thick?
   2. How many cells?
   3. Why wrinkles?
2. Lobes of the Cortex
   1. 4 lobes per hemisphere
      1. Occipital Lobes- Explain
      2. Parietal Lobes- Explain
      3. Temporal Lobes- Explain
      4. Frontal Lobes- Explain
   2. Association Cortex- Explain
   3. Prefrontal Cortex- Explain
      1. Size in rats, dogs, and humans?
      2. Explain Phinease Gage- Event, Changes, What it means?