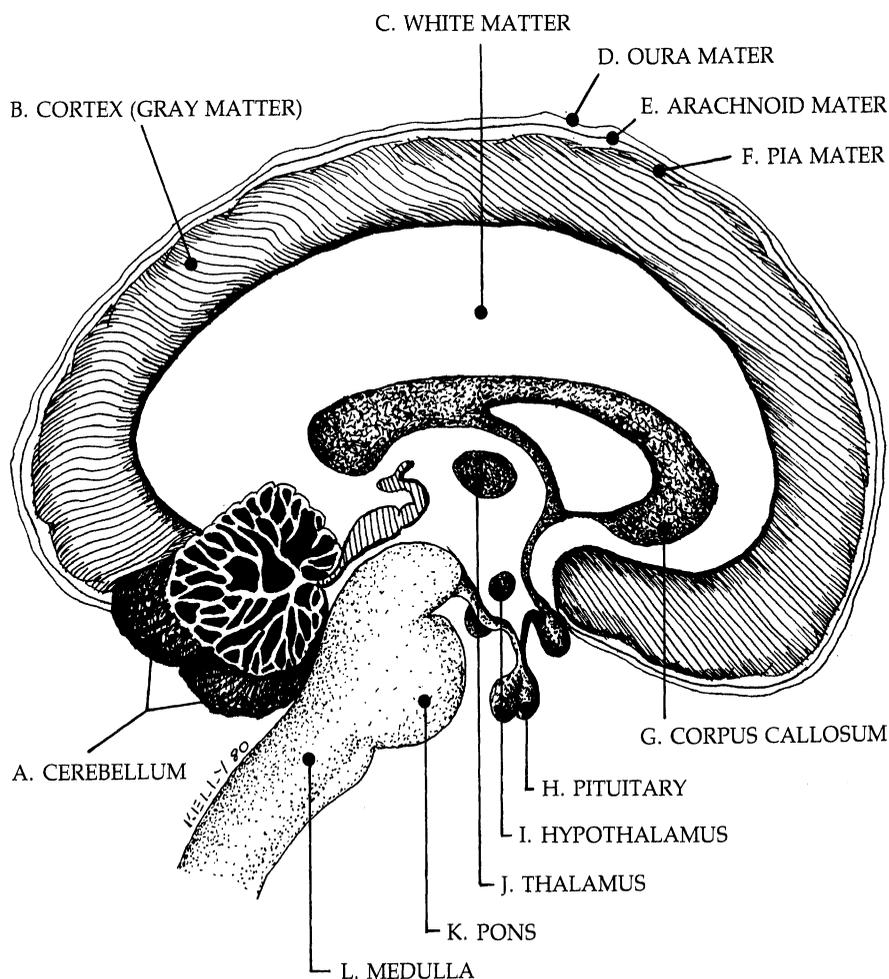


Projector Center

Using Transparencies as a Class Opener: Approaching the Right Hemisphere

Patrick Kelly

Transparency Master I



Brain Cross Section

Colorful transparencies have assisted me in gaining and holding student interest in my biology classes. By projecting a transparency and distributing a matching handout before the beginning of class, I am able to arouse my students' interest immediately.

The transparencies that are used as "class openers" contain carefully shaded images to distinguish between different sections or parts. The images are large enough for easy la-

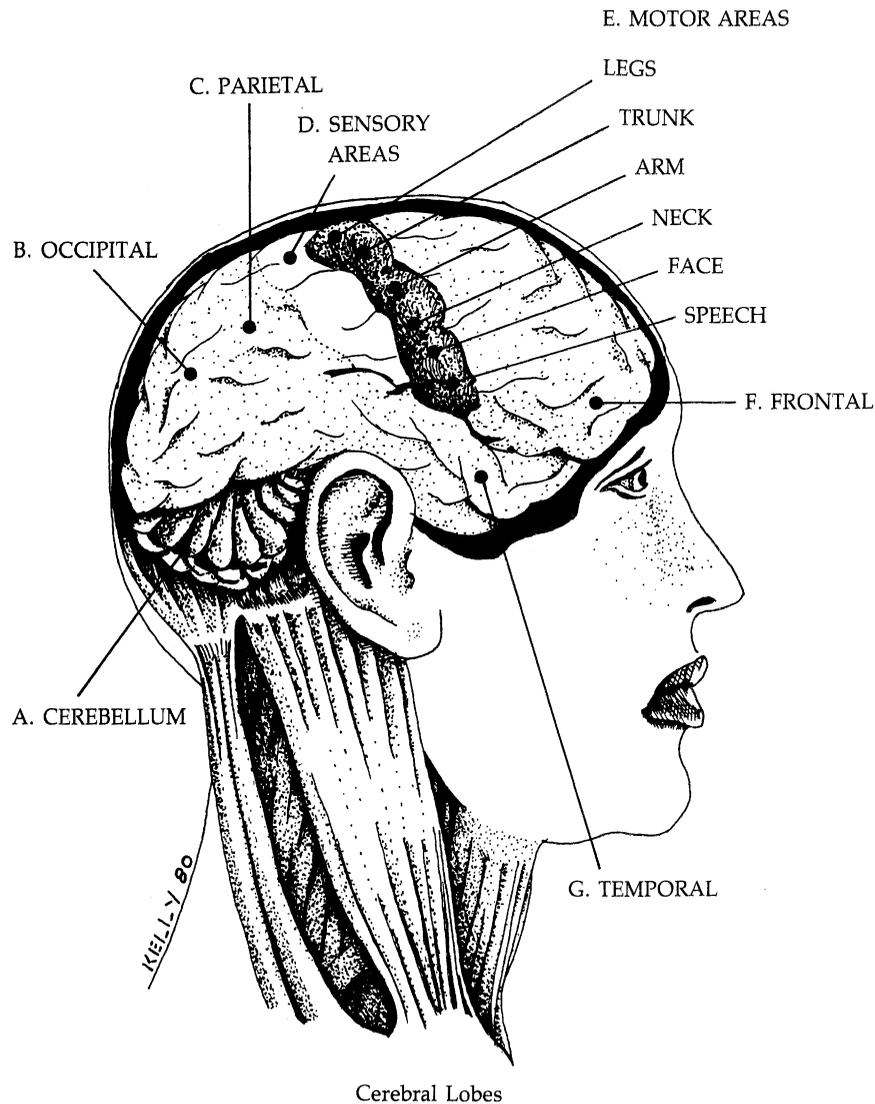
beling and each transparency has ample margins for special notes. Color is added to the transparency by using water soluble marking pens. These pens create bright color without reducing definition. They are also inexpensive and easy to use.

The colors will fade with time (some colors fade more than others). A number of trials are usually required to determine which colors will be most effective and which ones should be placed adjacent to each

other. Generally, lighter colors (yellow, orange, pink) should be used in the darker areas of the transparency. The lighter colors tend to be less opaque and do not reduce resolution as much as some of the deeper hues. Since a high degree of variability exists between commercial markers, it will take some experimentation to determine which brand will best serve your needs.

The transparency masters included in this article contain information

Transparency Master II



about the human brain and central nervous system. They represent a simplified cross section of the brain and a side view for labeling sensory and motor areas. They have been used in conjunction with various readings on the nature of the right and left hemispheres of the brain. During class discussions, emphasis is focused on the division of responsibility each hemisphere assumes in processing incoming information.

Student handouts can be made from these masters. Photocopies can be produced from the master or a spirit master can be created and copies can be made from it.

The key for each master is as follows:

The Brain Cross Section

- A. Cerebellum
- B. Cortex (Gray Matter)
- C. White Matter
- D. Oura Mater
- E. Arachnoid Mater
- F. Pia Mater
- G. Corpus Callosum
- H. Pituitary
- I. Hypothalamus
- J. Thalamus
- K. Pons
- L. Medulla

Cerebral Lobes

- A. Cerebellum
- B. Occipital
- C. Parietal
- D. Sensory Areas
- E. Motor Areas
- F. Frontal
- G. Temporal

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