1 Wernicke's area	1 center for understanding language	1 temporal/parietal lobe (left side)
2 Broca's area	2 center for expressing language	2 frontal lobe (left side)
3 auditory cortex	3 center for hearing	3 temporal lobe
4 primary visual cortex	4 reconstruct	4 occipital lobe
5 thalamus	5 sends sensory and motor messages to other parts of the brain	5 forebrain

6 cerebellum	6 controls walking, balance, and coordination	6 hindbrain
7 cerebral cortex	7 center for information processing, rational thought, and decision making	7 forebrain (thick outer covering)
8 medulla	8 regulates vital functions such as breathing and blood flow	8 hindbrain
9 pituitary gland	9 controls the body's endocrine system	9 beneath the hypothalamus
10 hypothalamus	10 regulates emotions, hunger, and thirst	10 between thalamus and pituitary

Name_____
Date_____

Key Structures of the Brain

Part A.

After matching the number of three cards, write the appropriate structure, function, and location of each brain part given.

Structure	Function	Location
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Name_____
Date_____

Part B.

For each of the following activities, indicate which structure of the brain is responsible.

_____ 1. Sends adrenaline into the blood stream to handle an emergency situation

_____ 2. Controls blood circulation

_____ 3. Makes sense of stimuli received from the eye

_____ 4. Enables speech

_____ 5. Makes sense of stimuli received from the ear

_____ 6. Acts as a relay station to other parts of the brain

_____ 7. Stimulates the desire to eat

_____ 8. Makes decisions and solves problems

_____ 9. Coordinates physical movements such as walking

_____ 10. Makes it possible to understand directions

Psychology
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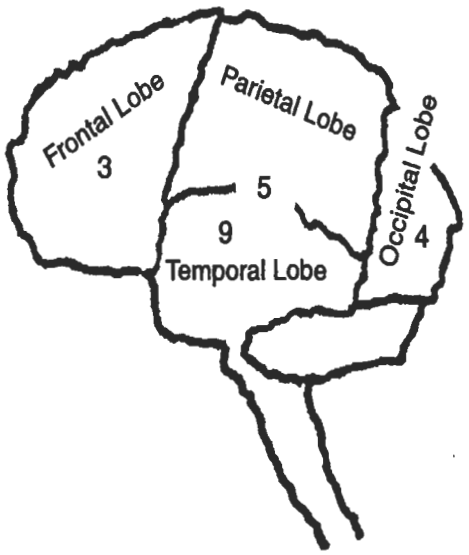
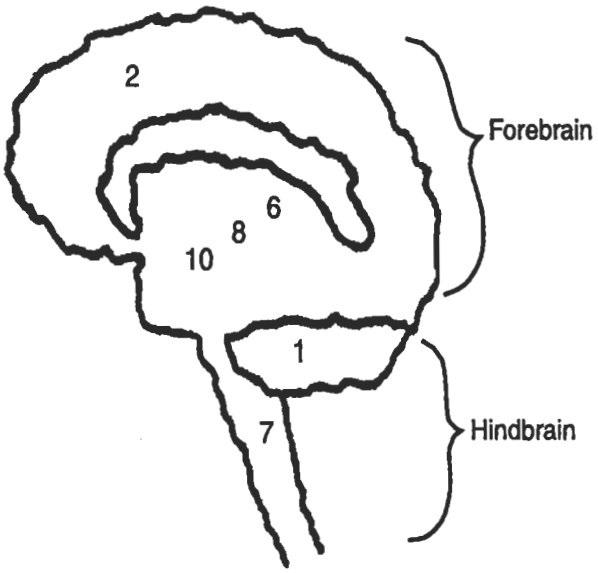
Name_____
Date_____

Mapping the Brain

Left view—Lobes



Cross section



Use the information gathered in **Handout 22** to identify the numbered brain structures in the diagrams.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Psychology
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Handout 24

Name_____
Date_____

Damage to Brain Structures

For each of the brain structures listed, speculate what could happen if that area is damaged.

1. Thalamus

2. Primary visual cortex

3. Cerebral cortex

4. Pituitary gland

5. Hypothalamus

6. Auditory cortex

7. Cerebellum

8. Broca's area

9. Wernicke's area

10. Medulla