STRUCTURE OF THE BRAIN

Label the correct parts of the brain and spinal cord on the diagram at the left below. Give the purpose/function of each part.

a. cerebellum **coordinates balance & action**
b. medulla oblongata **controls breathing, heart rate, & blood pressure**
c. thalamus **coordinates incoming info**
d. hypothalamus **controls secretions of pituitary gland**
e. corpus callosum **thick fibrous band; connects 2 hemispheres**
f. pons **links cerebral cortex to cerebellum of cerebrum**
g. spinal cord **main nerves of CNS extend down from brain**
h. cerebrum **largest part; controls voluntary actions of brain**
i. pituitary gland **endocrine gland - secretes many hormones**

Lobes of the Cerebrum

The diagram to the right above shows the four major lobes of each hemisphere of the cerebrum: frontal, parietal, occipital and temporal. Label each lobe. Then, fill in the blanks below with the correct answers.

The **frontal** lobes control some body movements, reasoning, judgment and emotions. The sense of vision is located in the **occipital** lobe. The sense of hearing is interpreted in the **temporal** lobes. The **parietal** lobes interpret sensations such as pain, pressure, touch, hot and cold.