

## Brain Functions Outline (N-3D)

Use pages 448-450 of *Life Science* (Silver Burdett Ginn) to complete this outline.

### II. The Human Brain

#### A. Protective Case

1. The \_\_\_\_\_ acts like a sturdy case for the brain.
2. \_\_\_\_\_ surrounds the brain.
3. A \_\_\_\_\_ keeps the fluid from leaking.

#### B. The Learning Center

1. The largest structure of the brain is the \_\_\_\_\_.
  - a. The thin outer layer contains billions of \_\_\_\_\_.
  - b. It is only a few \_\_\_\_\_ thick.
  - c. The back of the cerebrum receives messages from the \_\_\_\_\_ nerve and is responsible for \_\_\_\_\_.
  - d. Injury could cause \_\_\_\_\_.

#### C. Muscle Coordination

1. The \_\_\_\_\_ is under the \_\_\_\_\_.
  - a. \_\_\_\_\_ is regulated by the cerebellum.
  - b. Injury could cause \_\_\_\_\_ problems.

#### D. Basic Body Control

1. The \_\_\_\_\_ is below the cerebellum.
  - a. It connects the \_\_\_\_\_ and the \_\_\_\_\_.
  - b. It is only a few \_\_\_\_\_ long.
  - c. It monitors reflex actions, \_\_\_\_\_ rate, blood \_\_\_\_\_, and \_\_\_\_\_.
  - d. Injury could cause \_\_\_\_\_.

#### E. Bundle of Nerves

1. The \_\_\_\_\_ is formed from the narrowing medulla.
  - a. It is protected by a bone called the \_\_\_\_\_.
  - b. \_\_\_\_\_ reveal spinal cord damage.
  - c. The brain is no longer able to \_\_\_\_\_ nerves below a totally cut spinal cord, resulting in \_\_\_\_\_.
  - d. Training equipment in \_\_\_\_\_ helps reduce the possibility of damage to the \_\_\_\_\_.