

Anatomy and Physiology

FOR ENGLISH LANGUAGE LEARNERS

Chapter 6: The Nervous System Part 2

Throughout the chapter, refer back to the building blocks of the body by asking students questions such as *What's a molecule? What's a cell? What's an organ? What's a tissue?*

Brain Organization

After learning the parts of the brain, have students make an organizational outline showing the major parts of the brain and what's contained in each part. For example:

The Cerebrum

- a. the frontal lobe
- b. the occipital lobe
- c. the parietal lobe
- d. the temporal lobe

The Diencephalon

- a. the thalamus
- b. the hypothalamus
- c. the pituitary gland
- d. the pineal gland

The Brainstem

- a. the midbrain
- b. the pons
- c. the medulla oblongata

Have students match each part of the brain with its function. Students can have a list of structures next to a list of functions or you can make two sets of cards, one set with the names of structures, one set with a description of the functions. For example, occipital lobe — interprets information that you see, the pons — makes sure that you breathe very smoothly.

The Autonomic Nervous System

Have students write out stories whereby they describe themselves when either the sympathetic or parasympathetic division is in charge of their body. For example, they can write about a real life situation when they were either scared or very relaxed, and describe the five steps their body went through. You can instruct them to detect the stimulus via a sensory receptor other than their eyes.