

Chapter 7 - The Nervous System

* The master controlling and communicating system of the body.

- 1) Monitor changes internally and externally – stimuli – sensory input
- 2) Integration – processes and interprets this input
- 3) Motor Output – effects a response 1) Red light (input) 2) Red light means stop 3) your foot steps on the brake (motor output)

Nervous System work closely with the Endocrine System to maintain homeostasis

I. Organization of the Nervous System

A. Structural Classification -

- Nervous System – 2 Subdivisions

1 – Central Nervous System (CNS) – made up of the brain and spinal cord. Interpret incoming information and issue instructions.

2 – Peripheral Nervous System (PNS) – all of the nerves outside of the

5. Group activity – students will be given a research problem and will follow the steps of the scientific method to solve the problem. Reminder to also discuss the independent and dependent variables.
6. Scientific Method: Experimental Design Practice Worksheets done in groups of 4 then we will go over each one as a class. Begin “Activity: Interpreting An Experiment.” Covers independent variables, dependent variables, experimental and control groups, and controlled variables.
7. Characteristics of Life worksheet, and Metrics –notes and worksheet.
8. Hands on lab using science equipment and units-balances, beakers, graduated cylinders, encyclopedias, Microsoft Encarta, thermometers, graphing, stereoscope and microscope.
9. Complete Lab, Video: “The Scientific Method” (about 25 minutes). Review for test.
10. Test on the past two weeks information – includes Chapter 1 EVET will be included on this test.