**Nervous System**

Read Chapter 15, Heinemann Text

Some really good information on nervous system can be found at the following website. Use this information, and readings from Heinemann text answer the following questions.

<http://faculty.washington.edu/chudler/introb.html#pns>

**The Nervous System**

1. The mammalian nervous system is divided into two main parts. Name and describe these?
2. Describe a reflex response.
3. What is the autonomic nervous system and give an example.

**Neurons**

1. Draw and label a neuron.
2. How do neurons carry messages? Use the following website explain <http://faculty.washington.edu/chudler/ap.html>

Include definitions for the following- action potential, electrochemical, resting membrane potential.

Explain what ions are involved.

Draw the graph to help explain difference between action potential and resting potential . (also Heinemann p 292)

Summarise this in 3 main steps (see Heinemann Figure 15.5)

**Synapse**

<http://faculty.washington.edu/chudler/chnt1.html>

1. What is a synapse?
2. Draw and label a synapse – label the axon and presynaptic ending , dendrite and post synaptic and synaptic clef
3. Draw an arrow indicating which way the message travels.
4. What is a neurotransmitter?

**Extra Questions**

Read Ch 15.3 Answer q.8-15 Heinemann

**Biozone**

Neurone Structure and Function page 278

Reflexes page 281