Obtain the CD Rom titled Inside Story from Reggie and load it into the computer. Put on your headphones. Select “Run the program as STUDENT,” then click on OK. Click on “Start” to launch the program.

Select “The Family Scrapbook.” Select “Endocrine System.” View the presentation, including the Endocrine Gland animation, then answer the following questions on this handout.

1. Some of the most important Endocrine Glands include:
   a. ____________________________________________________
   b. ____________________________________________________
   c. ____________________________________________________
   d. ____________________________________________________
   e. ____________________________________________________
   f. ____________________________________________________

2. The Nervous and Endocrine Systems are collectively known as the ___________________________ System.

3. Name the part of the brain known as the “master switchboard” that controls the Endocrine System: ___________________________

4. Name the gland known as the “master gland” which regulates the activity of the endocrine organs: ___________________________

5. Name the two types of messages that the hypothalamus sends to the Pituitary Gland.
   i. _____________________________________________
   ii. _____________________________________________

6. Approximately how many hormones are released by the Pituitary Gland?
   _____________________________________________

7. The primary function of the Endocrine System is to maintain:
   _____________________________________________

Continued next side…..
View the animation on Homeostasis and answer the following questions:

8. The release of hormones is controlled by ______________________
________________________________ mechanisms.

9. List the three stages involved in this mechanism.
   i. __________________________________________________
   ii. __________________________________________________
   iii. __________________________________________________

10. Name the hormone that lowers blood sugar levels.
    ________________________________________________

View the animation on the Pituitary Gland and answer the following questions.

11. Name the condition that results in receiving too little growth hormone during
c    childhood. ______________________________________________

12. Name a substance that inhibits the release of ADH resulting in increased urine
    output. ________________________________________________

Click on the return button located in the lower right hand corner, then select
Nervous System, and view the presentation. Answer the following questions.

13. Name the basic unit of communication in the Nervous System.
    ________________________________________________

View the animation on nerve conduction.

14. Name the part of the neuron that transmits signals to other neurons.
    ________________________________________________

15. How wide is a synapse? ________________________________

Click on “Close Book” to exit The Family Scrapbook. Click on “Quit” to exit program.