ENDOCRINE BOOK

Day 1

1. You will need to get 4 pieces of newspaper print. Fold them in half and staple.
2. Number each page at the bottom (front and back), 1-16.
3. On the front page put the title “Endocrine System”.
4. Trace the endocrine person on the front page below the title.
5. Draw, label and color the endocrine glands in the person, there are 10 of them. Look on page 283 in the book.
6. On page 2 at the top write “Endocrine System vs. Nervous System”. Forming two columns list 3 differences and 1 similarity.
7. At the bottom of page 2 glue in the lateral view of the brain. Highlight the 3 parts of the brain that pertain to the endocrine system.

Day 2

1. Page 3 title “Hypothalamus”.

Below the title, write the word “Location” then describe where it is located.

Below “location” write the word “Function”, then describe the function.

Draw the hypothalamus below the function and draw an arrow with a colored pencil to its target cell.

1. Page 4, trace the human body, draw the brain and be sure to include the anterior portion of the pituitary gland. Label the gland.
2. Draw arrows from the anterior pituitary gland to the target cells with the hormone’s name on the line (there are 6). Each hormone should have a different color going to a particular target cell.
3. Page 5, title “Anterior Pituitary Gland”.

List each hormone associated with the anterior pituitary gland. Below each hormone’s name, list in order: Target cell, Function, Hyposecretion disorder and Hypersecretion disorder (if applicable). Look at the notes and/or use the book. The anterior pituitary gland has 6 hormones.

1. Page 6, trace the human body, draw the brain and be sure to include the pituitary gland. Label the posterior portion of the pituitary gland.
2. Draw arrows from the posterior pituitary gland to the target cells with the hormone’s name on the line (there are 2). Each hormone should have a different color going to a particular target cell.
3. Page 7, title “Posterior Pituitary Gland”.

List each hormone associated with the posterior pituitary gland. Below each hormone list in order: Target cell, Function, Hyposecretion disorder and Hypersecretion disorder (if applicable). Look at the notes and/or use the book. There are 2 hormones.

Day 3

1. Page 8

Trace the human body. Draw and label the adrenal glands. Draw arrows from the adrenal glands to the target cells with the hormone’s name on the line. Each hormone has a different color going to the target cell. Label the target cells.

In the lower left corner draw a cross section of an adrenal gland labeling the medulla and the cortex. Using arrows indicate which hormones are produced in each section of the adrenal gland.

Page 9

Title “Adrenal Glands”

Write “Location” and describe the location of the adrenal glands.

Below this, write whether the hormones produced are steroidal or non-steroidal.

Create two sections: one titled Adrenal Cortex, the other Adrenal Medulla

Under the appropriate section list the hormones, their target cells, their function and hyper and hyposecretion disorders.

Day 4

Page 10

Draw the endocrine person with the thyroid and parathyroid glands. Draw arrows to the target cells including the hormone that stimulates these cells.

Page 11

Divide the paper into two sections. Title one section Thyroid, the other Parathyroid. Under each

Section write “Location” and describe the location of these glands.

Below this, write whether the hormones produced are steroidal or non-steroidal.

Under the appropriate section list the hormones, their target cells, their function and hyper and hyposecretion disorders.

Day 5

Page 12

Title “Pancreas”, draw the body outline.

Label the pancreas, draw arrows with the name of the hormones to the target cells.

List location and function of the pancreas.

Indicate whether the hormones are steroidal or non-steroidal.

Number and list the hormones secreted, target cells, function and hyper/hypo disorders.

Page 13

Title “Pineal Gland”, draw the body outline.

Label the pineal gland, draw arrows with the name of the hormone to the target cells.

List location and function of the pineal gland.

Indicate whether the hormone is steroidal or non-steroidal.

List the hormone secreted, target cells, function and hyper/hypo disorders. (If applicable)

Page 14

Title “Thymus Gland”, draw the body outline.

Label the thymus gland, draw arrows with the name of the hormone to the target cells.

List location and function of the thymus gland.

Indicate whether the hormone is steroidal or non-steroidal.

List the hormone secreted, target cells, function and hyper/hypo disorders. (If applicable)

Page 15

Title “Female Gonads”, draw the body outline.

Label the female gonads, draw arrows with the name of the hormones to the target cells.

List location.

Indicate whether the hormones is steroidal or non-steroidal.

List the hormones secreted, target cells, function and hyper/hypo disorders. (If applicable)

Page 16

Title “Male Gonads”, draw the body outline.

Label the male gonads, draw arrows with the name of the hormone to the target cells.

List location.

Indicate whether the hormone is steroidal or non-steroidal.

List the hormones secreted, target cells, function and hyper/hypo disorders. (If applicable)