

Chapter
35
The Digestive and Endocrine
Systems, *continued*
Reinforcement and Study Guide
Section 35.3 The Endocrine System

In your textbook, read about control of the body and negative feedback control.

Complete each statement.

- Internal control of the body is handled by the _____ system and the _____ system.
- Most endocrine glands are controlled by the action of the _____, or master gland.
- A(n) _____ is a chemical released in one part of the body that affects another part.
- The amount of hormone released by an endocrine gland is determined by the body's _____ for that hormone at a given time.
- A _____ system is one in which hormones are fed back to inhibit the original signal.
- When your body is dehydrated, the pituitary releases ADH hormone, which reduces the amount of _____ in your urine.
- When you have just eaten and your blood glucose levels are high, your pancreas releases the hormone _____, which signals the liver to take in glucose, thereby lowering blood glucose levels.

In your textbook, read about hormone action, adrenal hormones and stress, and other hormones.

For each item in column A, write the letter of the matching item from Column B.

Column A

- _____ **8.** Determines the body's food intake requirements
- _____ **9.** Made from lipids and diffuse freely into cells through the plasma membrane
- _____ **10.** Bind to receptors embedded in the plasma membrane of the target cell.
- _____ **11.** Produce a feeling called "adrenaline rush"
- _____ **12.** Help the body prepare for stressful situations
- _____ **13.** Regulate calcium levels in blood

Column B

- a.** steroid hormones
- b.** glucocorticoids and aldosterone
- c.** calcitonin and parathyroid hormone
- d.** epinephrine and norepinephrine
- e.** amino acid hormones
- f.** thyroxine