



Name: _____

Date: _____

Quiz

Instructions: Answer each question.

1. List four functions of the endocrine system.

2. In general, the endocrine system is in charge of body processes that happen slowly, such as cell growth. Faster processes like breathing and body movement are controlled by the:

- a. digestive system
- b. respiratory system
- c. nervous system
- d. cardiovascular system

3. _____ are chemical messengers that transfer information and instructions from one set of cells to another.

4. Endocrine glands release more than _____ major hormones directly into the bloodstream.

- a. 20
- b. 100
- c. 200
- d. 1,000

5. The brain contains these three glands: _____

6. The pineal gland secretes:

- a. melatonin
- b. oxytocin
- c. insulin
- d. thyroxine

7. True or false: The thyroid gland is involved in metabolism, the process by which the fuel in the food we eat is converted into cellular energy.

8. A problem with the pancreas's production of insulin can lead to a condition called _____.

9. Once a hormone is secreted, it travels from the endocrine gland that produced it through the bloodstream to the cells designed to receive its message. These cells are called _____.

10. If the pituitary glands release hormones that stimulate the gonads to produce sex hormones too early, some kids may begin to go through puberty at a very young age. This is called:

- a. hyperthyroidism
- b. precocious puberty
- c. gigantism
- d. hypothyroidism



Quiz Answer Key

- List four functions of the endocrine system.
Any four of the following: regulating mood, growth and development; tissue function; the fight or flight response; metabolism; blood glucose levels; sexual function and reproductive processes.
- In general, the endocrine system is in charge of body processes that happen slowly, such as cell growth. Faster processes like breathing and body movement are controlled by the:
 - digestive system
 - respiratory system
 - nervous system
 - cardiovascular system
- Hormones are chemical messengers that transfer information and instructions from one set of cells to another.
- Endocrine glands release more than 20 major hormones directly into the bloodstream.
 - 20
 - 100
 - 200
 - 1,000
- The brain contains these three glands: pituitary, hypothalamus, and pineal gland (or pineal body)
- The pineal gland secretes:
 - melatonin
 - oxytocin
 - insulin
 - thyroxine
- True or false: The thyroid gland is involved in metabolism, the process by which the fuel in the food we eat is converted into cellular energy.
- A problem with the pancreas's production of insulin can lead to a condition called diabetes.
- Once a hormone is secreted, it travels from the endocrine gland that produced it through the bloodstream to the cells designed to receive its message. These cells are called target cells.
- If the pituitary glands release hormones that stimulate the gonads to produce sex hormones too early, some kids may begin to go through puberty at a very young age. This is called:
 - hyperthyroidism
 - precocious puberty
 - gigantism
 - hypothyroidism