



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