

Hormonal coordination recall questions

1. What type of chemicals are produced by endocrine system glands?
2. How do hormones get from the gland to their target organ?
3. What are two differences of the endocrine system compared to the nervous system.
4. Which endocrine system gland is called the master gland?
5. Can you identify the position of the pituitary gland, the pancreas, the thyroid gland, the adrenal gland, the testes and an ovary?
6. When and where is adrenaline produced?
7. What three changes does adrenaline make happen in the body?
8. Where is thyroxine made and what does this hormone do?
9. What monitors and controls blood glucose concentration?
10. What hormone is produced if blood glucose becomes too high?
11. What substance is glucose converted into and where?
12. What hormone is produced if blood glucose becomes too low?
13. What is type 1 diabetes and how is it treated?
14. What is type 2 diabetes and how is it treated?

Hormonal coordination recall answers

1. Hormones
2. Via the blood stream
3. Endocrine system acts slower and the effects are longer lasting, nervous system acts very quickly and the effects are short lasting
4. Pituitary gland
5. Next slide
6. In the adrenal gland in times of fear or stress.
7. Increases heart rate, boots delivery of oxygen and glucose to brain and muscles, prepare the body for fight or flight.
8. The thyroid gland, stimulates basal metabolic rate, controls role in growth
9. The pancreas
10. Insulin
11. Glucose converted into glycogen in the liver
12. Glucagon is produced to convert glycogen back into glucose
13. Pancreas fails to produce sufficient insulin, treated with insulin injections
14. Body cells no longer respond to insulin, carbohydrate controlled diet and exercise are treatments.

Major Endocrine Glands

Male Female

