

Endocrine System Webquest

Visit the following sites to answer the questions below.

Site # 1 - What Is the Endocrine System?

➡ http://kidshealth.org/teen/your_body/body_basics/endocrine.html

Questions

1. What are the functions of the endocrine system?

2. What are hormones and what is their function?

3. Which factors affect hormone levels in your blood?

4. What is a gland? Give an example.

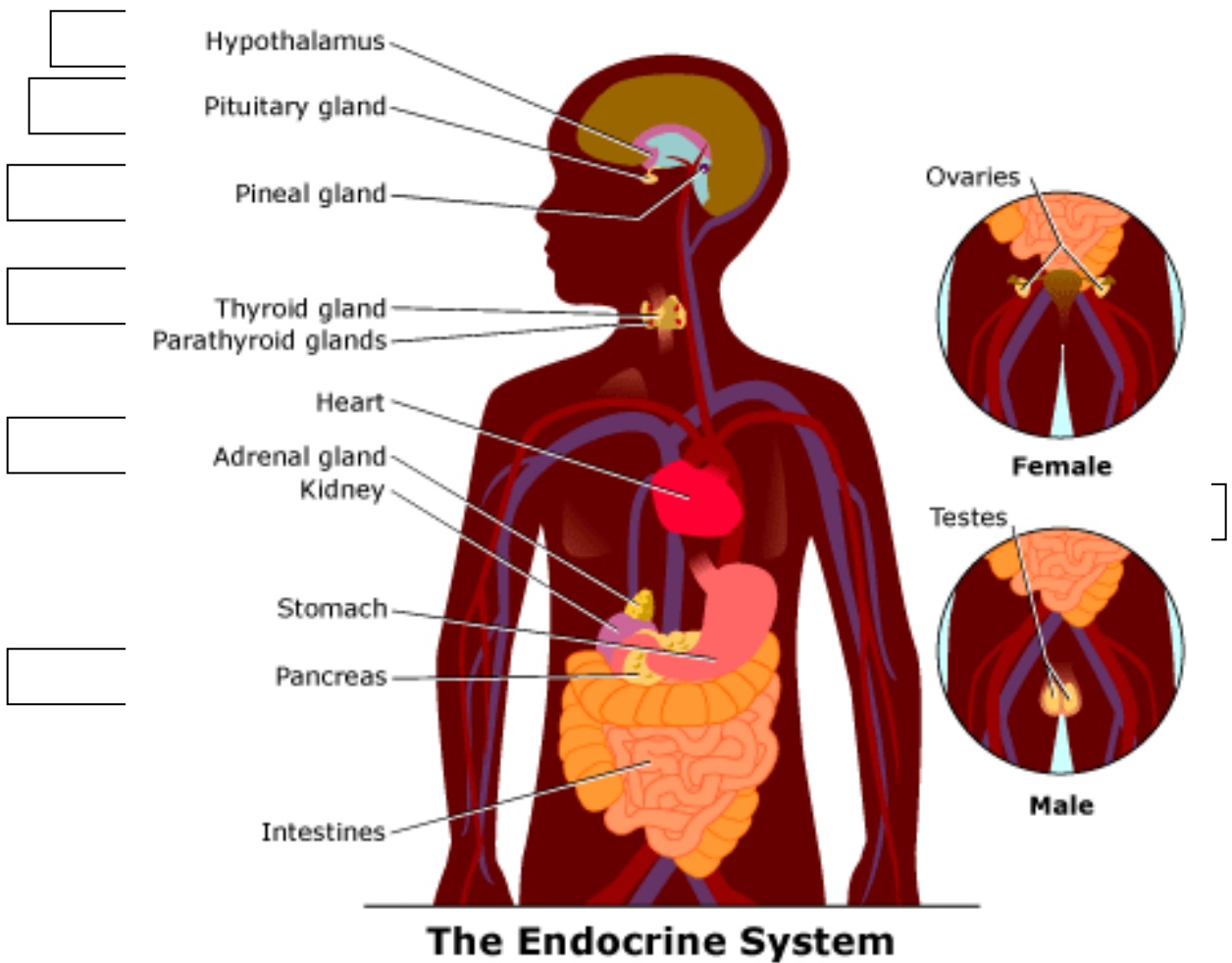
5. How are exocrine glands different than endocrine glands?

6. List the major glands/organs that make up the endocrine system.

Site # 2 – Parts of the Endocrine System

➡ http://kidshealth.org/parent/general/body_basics/endocrine.html# Page 2

7. Label the major parts of the Endocrine System below



Site # 3 – Gland Specifics – Structure and Function

➡ http://kidshealth.org/parent/general/body_basics/endocrine.html#

Questions:

8. The _____, a collection of specialized cells that is located in the lower central part of the brain, is the primary link between the endocrine and nervous systems. Explain how this works.

9. Which gland is called the "master gland"? Explain why it is given this name.

10. List the hormones (and their jobs) that are produced by the ***pituitary gland***:

a. Anterior Lobe:

b. Posterior Lobe:

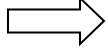
11. What are thyroid hormones responsible for?

12. What do parathyroids regulate in the blood?

13. Where are adrenal glands located in the body?

Site # 4 – Test Yourself: Use the info in this page to complete the chart.

Hint - Use the Drag and Drop Matching at the bottom of the page to aid you in your quest.



http://www.abpischools.org.uk/page/modules/hormones/horm2.cfm?coSiteNavigation_allTopic=1

14. Contrast the 2 parts of the adrenal glands:

Endocrine Gland	Where in the body	Hormone produced
Pituitary		
Testis		
Ovary		
Pancreas		
Adrenal		
Thyroid		

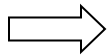
15. Differentiate between the female and male gonads. List their functions, locations and which hormones they produce.

Female	Male

16. Which endocrine gland starts off the process of puberty? _____

17. Which two hormones, produced by this gland, stimulate the production of sex hormones? _____

18. What hormone is produced in the testes? _____



Site # 5 – Gland Specifics – Structure and Function

http://kidshealth.org/parent/general/body_basics/endocrine.html#

19. What are the 2 major hormones produced by the pancreas? What are their roles in the body? _____

20. _____

21. Once a hormone is secreted, how does it get to its target cells?

Endocrine Disorders: Give definition, treatment/prevention, etc. for each

22. **Adrenal Insufficiency:** _____

23. **Cushing Syndrome:** _____

24. **Type I Diabetes:** _____

25. **Type II Diabetes:** _____

26. **Growth Hormone abnormalities:** _____

27. **Hyperthyroidism:** _____

28. **Hypothyroidism:** _____

