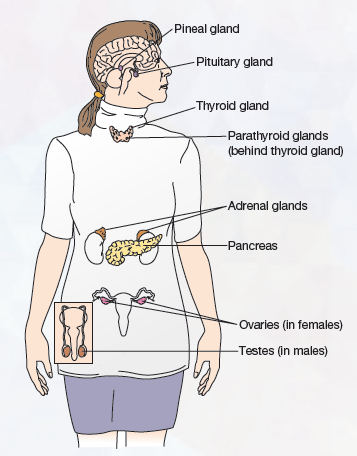
# Answers to Questions in the Workbook, Chapter 35, The Endocrine System

Activity A CHOOSE THE RIGHT ANSWER

* 1. X
  2. X
  4. X
  6. X
  7. X

Activity B LABEL THE FIGURE  


Activity C REARRANGE IN THE RIGHT ORDER

4

2

5

1

3

Activity D SHORT ANSWER

The pituitary gland, because it secretes hormones that affect the function of other glands in the endocrine system

Activity E MATCHING

1. e

2. d

3. a

4. c

5. b

Activity F MATCHING

1. k

2. b

3. i

4. g

5. h

6. c

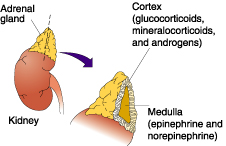
7. j

8. d

9. a

10. e

11. f

Activity G LABEL AND FILL IN THE BLANKS  
  
  
The adrenal gland consists of two parts. The adrenal cortex is the outer portion, while the adrenal medulla is the inner portion.

The adrenal glands are located on the top of the kidneys.

Activity H MATCHING

1. d

2. a

3. b

4. c

Activity I SHORT ANSWER

1. Hydrocortisone is a glucocorticoid. Glucocorticoids are able to suppress the body’s inflammatory response. For this reason, they are often used to treat severe inflammatory disorders, such as asthma.

2. The pancreas is an exocrine gland because it produces and secretes enzymes into the small intestine that help to digest food. The pancreas is an endocrine gland because it produces two hormones, insulin and glucagon.

3. Goiter is an abnormally large thyroid gland. It can be caused by a lack of iodine in the diet, or a tumor or disease that affects the thyroid gland’s ability to produce thyroid hormone.

Activity J REARRANGE IN THE RIGHT ORDER

1

3

2

5

4

Activity K TRUE OR FALSE

1. T

2. F. INSULIN is responsible for lowering blood glucose levels.

3. T

4. T

Activity L SHORT ANSWER

Hormone production declines in both males and females. This change impacts many body functions. For instance, declining production of hormones from the sex glands results in menopause in females and declining sex drive and function in males.

Activity M MATCHING

1. b

2. c

3. a

Activity N CHOOSE THE RIGHT ANSWER

1. X

2. Y

3. Y

4. X

5. X

Activity O TRUE OR FALSE

1. T

2. F. Type 1 diabetes mellitus is LESS common but much MORE severe than type 2 diabetes mellitus.

3. F. Type 1 diabetes mellitus is the form of diabetes that most often affects CHILDREN.

4. T

5. T

6. T

7. F Hypoglycemia can lead to a state called INSULIN SHOCK in people with diabetes

8. T

9. T

10. T

11. F. Controlling the diet is ONE way to treat type 2 diabetes mellitus.

Activity P SHORT ANSWER

1a. If a person who has type 1 diabetes mellitus does not eat at the recommended time after receiving their insulin, their blood glucose level can drop too low, resulting in a condition known as hypoglycemia, which can lead to insulin shock. This is why it is important to serve meals and snacks at the scheduled time, especially when your patient or resident is taking insulin.

1b. The “finger stick” method of monitoring blood glucose levels can expose the health care worker to bloodborne diseases. Make sure to wear gloves and dispose of sharps correctly any time you are checking a person’s glucose level using this method.

2a. Mr. Rui was at an increased risk for developing atherosclerosis because low insulin levels increase the release of lipids (fats) into the bloodstream. The lipids then build up in the linings of the arteries, damaging them and possibly leading to atherosclerosis.

2b. Diabetes affects a person’s ability to heal and fight infection by interfering with blood flow. Good blood flow is necessary to bring infection-fighting white blood cells to injured areas, and for ensuring that tissues have the oxygen and nutrients they need to stay healthy.

Activity Q JUMBLED WORDS

1. HORMONES

2. GOITER

3. TETANY

4. LANCET