

Endocrine system

1. The pancreas secretes _____ hormones into the digestive tract.
2. Insulin is produced by _____ cells in pancreas.
3. Glucagon is produced by _____ cells in pancreas.
4. Insulin causes _____ in blood glucose levels.
5. Epinephrine is secreted by _____.
6. Corticosteroids are secreted by _____ .
7. Parathyroid hormone increase blood concentration of _____.
8. Antagonistic action for parathyroid hormone is shown by _____.
9. A protein based hormone which can exhibit direct DNA effect is _____.
10. The most important second messengers are _____.
11. Uterine contraction during childbirth is regulated by _____.
12. Hyper secretion of thyroid hormone cause _____.
13. Proopiomelanocortin is secreted by _____.
14. Master endocrine gland is _____.
15. Pituitary gland secretes _____ tropic hormones.
16. Active uptake of iodide ions involves the usage of _____.
17. Goitre is cause due to _____ secretion of _____.
18. Somatostatin are also called as _____.
19. Myxedema is due to _____.
20. Cushing's syndrome is due to _____.
21. The other name of antidiuretic hormone is _____.
22. The secretion of adenohypophyseal hormones is under the control of _____.
23. Addison's disease is due to _____.
24. _____ is both an exocrine and an endocrine gland.
25. Anterior lobe of pituitary is called _____.
26. Posterior lobe of pituitary is called _____ .

27. Cretinism is due to _____.
28. Acromegaly is due to _____.
29. All enzymes are proteins, but all hormones are _____ or _____.
30. Breakdown of puppy fat is by _____.

Match the following: Choose all that apply (Section I)

- | | |
|--|--------------------------|
| a. The pancreas secretes _____ and _____. | 1. Parathyroid hormone |
| b. Adrenal cortex secretes _____ and _____. | 2. Thyroid stim. Hormone |
| c. Anterior pituitary secretes _____, _____ and _____. | 3. Epinephrine |
| d. Thyroid gland secretes _____ | 4. Growth hormone. |
| e. Parathyroid secretes _____ | 5. Insulin |
| f. Posterior pituitary secretes _____ and _____. | 6. Thyroid hormone |
| g. Adrenal medulla secretes _____ and _____ | 7. Mineral corticoids |
| | 8. Norepinephrine |
| | 9. ACTH |
| | 10. Glucocorticoids |
| | 11. Oxytocin |
| | 12. Vasopressin |
| | 13. Glucagon |
| | 14. Prolactin |

Match the following: choose all that apply (Section II)

- | <u>Hormone</u> | <u>Effect</u> |
|--------------------------------|---|
| a. Parathyroid hormone _____ | 1. Increase body metabolic rate |
| b. Thyroid stim. Hormone _____ | 2. Cause milk secretion |
| c. Growth hormone _____ | 3. Increase blood glucose levels |
| d. Insulin _____ | 4. Increase blood calcium levels. |
| e. Thyroid Hormone _____ | 5. Increase re-absorption of Na and water |
| f. Mineral corticoids _____ | 6. Decrease blood glucose levels |
| g. Prolactin _____ | 7. Cause uterus to contract |
| h. ACTH _____ | 8. Stimulates thyroid gland |
| i. Glucocorticoids _____ | 9. Causes kidney to withhold water |
| j. Oxytocin _____ | 10. Stimulates bone and muscles growth |
| k. Vasopressin _____ | 11. Stimulates the adrenal cortex |
| l. Glucagon _____ | |
| m. Epinephrine _____ | |
| n. Norepinephrine _____. | |

Homeostasis - Answers

1. homeostasis
2. negative
3. negative
4. positive
5. positive
6. Walter Cannon
7. receptor, control center, effector
8. stimulus
9. afferent
10. efferent
11. negative
12. insulin
13. glucagons
14. cascades
15. positive
16. homeostatic imbalance

Endocrine System - Answers

1. insulin, glucagon, somatostatin, amylase
2. beta
3. alpha
4. decrease
5. adrenal medulla
6. cortex
7. calcium
8. calcitonin
9. thyroxine
10. calcium and camp
11. oxytocin
12. Graves disease
13. Adenohypophysis
14. Hypothalamus
15. 4
16. ATP
17. decreased, thyroxine
18. Insulin-like growth factors
19. hypothyroidism
20. excess cortisone
21. Vasopressin
22. hypothalamus
23. low glucose
24. pancreas
25. adenohypophysis
26. neurohypophysis
27. hypothyroidism

- 28. hypersecretion of growth hormone
- 29. proteins, steroids
- 30. growth hormone

Match the following (Section I):

- a. 5,13
- b. 7,10
- c. 2, 4, 9
- d. 6
- e. 1
- f. 11, 12
- g. 3, 8

Match the following (Section II):

- a. 4
- b. 8
- c. 1,10
- d. 6
- e. 1
- f. 5
- g. 2
- h. 11
- i. 3
- j. 7
- k. 9
- l. 3
- m. 1, 3
- n. 1, 3

Digestive System - Answers

- 1. Teeth, tongue, gallbladder salivary glands, liver, pancreas.
- 2. Peristalsis.
- 3. Segmentation
- 4. Catabolism
- 5. Defecation
- 6. Pancreas, large intestine, anal canal, duodenum
- 7. Peritonitis
- 8. Splanchnic
- 9. Mucosa, submucosa, muscularis, serosa.
- 10. Lamina Propria
- 11. Mucosa
- 12. Muscularis externa
- 13. myenteric plexus
- 14. serosa
- 15. adventia
- 16. Retroperitoneal
- 17. Oral, buccal
- 18. Oral orifice