

Biology chapter two summary questions toAnswer

1. Define

A) diabetes: is adiseases that results from body not producing enough insuline or not properly Using insuline.

B) Acromegaly: is a hormonal disorder that develops when you pituitary gland produce too much growth hormone during adulthood.

c) hormones: Are substance secreted by cells that act to regulate the activity of other cells in The body.

d) antagonistic hormones: A number of hormone work together in apiars to regulate the level of Critical substance.

2. When calcitonin hormone is secreted?

#: In addition to the thyroid hormone.

3. Hoe do endocrine glands differ from exocrine gland?

Endocrine gland. Excrine gland

1)These are ductless gland	1)These are ductless		
2)secrete hormone	2)Secrate enzyme,water,milk,& Salive		

4. Why pituitary gland is called the master gland?

#Because it's regulate controls activity of other gland.

5. Name four functions of hormones.

#:Food metabolisms

#: Growth and development

#: controlling thirst and hunger

#: maintaining body temperature

6. Write the function of:

a) **insulin**: Break the glucose the blood.

b) **FSH**: stimulates secretion of sex hormone from the gonads.

c) **ovaries**: Ovum.

d) **calcitonin**: stimulates the up take of calcium into bone, thus lowering it's level the blood.

7. Where do parathyroid glands locate?

#: Behind thyroid.

8. Which hormones stimulates calcium when the blood calcium levels are too low?

#: parathyroid hormone

9. List three hormones that secretes thyroid gland.

#: a) **thyroxine** b) **Triiodothyronine**. c) **calcitonin**

10. Compare: dwarfism and gigantism.

Gigantism.

Dwarfism

Dwarfism.

1) It is caused to hyper secretion of the growth Hormone in Childer.	1) it is caused due to hypo secretion of the growth hormone in children
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11. Which hormone stimulates mammary glands to produce milk?

#: prolactin (PRL).

12. Write three functions of oxytocin.

#: oxytocin stimulate the milk ejection reflex

#: oxytocin secretion continues after childbirth in woman who is breast-feeding

#: oxytocin is also needed to stimulate uterine contractions in women during childbirth.

13. If girl begins ovulation at the age 13 and continuous uninterruptedly until 48, how much of eggs will she have produced in her lifetime?

#: she produced 420 eggs

14. What is feedback mechanism? State its types.

#: feedback mechanisms is one in which the last step in the series of events.

The types are:- A) negative feedback. And B) positive feedback

15. Classify hormones

#: A) steroid hormone. And B) nonsteroid hormone

16. Which hormones are soluble in lipids and can diffuse through the plasma membrane of the target cell?

#: steroid hormone

17. Where are useless hormones excreted?

#: Bile and urine

18. Which cells are produced insulin?

#: the cell produce insulin is beta

19. Which hormones prepare the body for emergency fight or flight?

#: Adrenal medulla

20. What is the role of vitamin D in maintaining the concentration of Calcium in the blood?

Vitamin D increases blood calcium by increasing absorption calcium from the gut.

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