A3--8003

1. The target tissue for ACTH is the:

   A spleen
   B liver
   C pancreas
   D adrenal cortex
   E adrenal medulla
   F kidney

2. Rod used a laparoscope to examine 100's of gilt's _____.

   A fecal samples
   B ovaries
   C pituitary glands
   D urine samples
   E pineal glands
   F blood samples

3. This hormone promotes loss of calcium in the urine.

   A LH
   B 5 alpha-reductase
   C aromatase
   D atriopeptin
   E testosterone
   F calcitonin

4. _____, made by the feline stomach, stimulates _____ secretion.

   A Insulin, gallbladder
   B Gastrin, aromatase
   C Gastrin, HCl
   D Gastrin, enzyme
   E CCK, NaOH
   F CCK, insulin

5. This term means the study of structure.

   A morphology
   B theriogenology
   C cytology
   D pathology
   E necropsy
   F histology

6. After 4 half-life periods have passed, 15 mg of equine hormone X remain in the mare. What initial amount of X was injected into the horse?

   A 480 mg
   B 240 mg
   C 480 ng
   D 1.0 g
   E 15 mg
   F correct answer not given

7. The family of catecholamines includes this molecule _____.

   A testosterone
   B hemoglobin
   C cholesterol
   D epinephrine
   E insulin
   F cortisol

8. A 2,400 pound bull will have approximately _____ pints of total blood volume.

A 120
B 45
C 162
D 90
E 500
F 200

9. Morbidity is a term that refers to:

A the rate of disease or proportion of diseased animals in a given locality, nation, etc.
B degree of muscle stiffness.
C the study of structure.
D degree of hypertonic extension.
E how many animals died of a specific disease.
F degree of hypotonic extension.

10. Gastric glands in the wall of the porcine stomach are an example of a(n)

A exocrine glands
B bifunctional glands
C pancreatic glands
D endocrine glands
E exudative glands
F sebaceous glands

11. Melatonin is _____.

A made by the parathyroid gland during darkness.
B orally active
C a 3-ring steroid
D a steroid
E only produced by males
F made by the thyroid gland

12. Active vitamin D is made by this organ.

A parathyroid
B pineal
C pancreas
D bone marrow
E thyroid
F kidney

13. This well-known drug acts as a progesterone antagonist.

A RU486
B PG50 beta
C PG25 alpha
D GnRH
E luteinizing hormone
F testosterone

14. One cause of goiter in dogs could be a lack of _____.

A calcium
B oxytocin
C testosterone
D PDA
E lead
F iodine

15. Endocrine is the antonym of _____.

A endogenous
B exocytosis
C endocytosis
D exocrine
E exogenous
F hemolysis

16. RBC production by bone marrow is directly promoted by this renal hormone.

A LH
B PGF-2 alpha
C calcitonin
D erythropoietin
E xylitol
F atriopeptin

17. Calcitonin injected into a sow would promote _____.

A increased ovulation rate
B increaseed gut absorption of calcium
C decreased urine production
D increased urine production
E decreased gut absorption of calcium.
F increased gastric absorption of calcium

18. Elevation of blood glucose concentration stimulates endocrine cells in the _____ to release _____.

A liver, renin
B hypothalamus, renin
C liver, insulin
D hypothalamus, growth hormone
E kidney, renin
F pancreas, insulin

19. A depot tissue can

A release CO.
B store a chemical and give it up later (when needed).
C release many hormones.
D store oxygen.
E store carbon dioxide.
F release water.

20. The enzyme _____ converts _____ to estradiol.

A renin, cholesterol
B 5 alpha reductase, testosterone
C atriopeptin, progesterone
D rennin, testosterone
E renin, RU486
F aromatase, testosterone

21. Neurons in the _____ secrete TRH, which stimulates the _____ to secrete TSH.

A hypothalamus, anterior pituitary
B thyroid gland, gonads
C hypothalamus, posterior pituitary
D anterior pituitary, posterior pituitary
E gonads, thymus
F posterior pituitary, anterior pituitary

22. Many protein hormones are synthesized as _____, and later are changed into the active hormone.

A eicosanoids
B steroids
C antagonists
D prohormones
E keto-steroids
F agonists

23. Angiotensinogen is a molecule made by the _____.

A ovary
B testis
C adipose tissue
D pineal gland
E spleen
F liver

24. To make 5 liters of physiological saline, you would add _____ to 5 liters of water.

A 5 grams of heparin
B 45 grams of NaCl
C 4.5 grams of KCl
D 4.5 grams of NaCl
E 5 grams of EDTA
F 45 grams of KCl

25. Select the major target tissue for corticotropin releasing factor.

A pineal gland
B anterior pituitary gland
C adrenal cortex
D spleen
E posterior pituitary gland
F liver

26. The _____ gland is located in the _____.

A adrenal, region near the kidney
B pituitary, region near the kidney
C pineal, thorax
D pineal, gastric lumen
E pituitary, thorax
F pineal, stomach