

A2-3433

1. Pulmonary \_\_\_\_\_ reduces the surface tension of \_\_\_\_\_.  
A hormones, receptors  
B hormones, cytoplasmic inclusions  
C surfactant, water  
D edema, blood (but not plasma)  
E edema, plasma  
F tachycardia, exudates
2. We have a healthy blood donor horse that weighs 1000 pounds. How many pounds of blood total can that horse safely donate today?  
A 2  
B 14  
C 6  
D 33  
E 44  
F 55
3. The term leukopenia means:  
A ovarian bleeding  
B present at birth  
C having an overabundance of leukocytes  
D deficiency of white blood cells  
E too many leukocytes within the pulmonary alveolus  
F gastric bleeding
4. \_\_\_\_\_ is a term that means \_\_\_\_\_.  
A dehydration, too much water  
B retrograde, the opposite of diffusion  
C edema, excess RBCs  
D ectopic, more than one  
E edema, no nerves  
F ectopic, not in the usual position or place
5. Select the organ that makes 50% of all lymph production.  
A liver  
B bladder  
C pancreas  
D heart  
E stomach  
F spleen
6. The canine heart at rest is under PNS influence (\_\_\_\_\_).  
A voluntary control  
B The fight or flight system  
C vagal inhibition  
D same as SNS influence  
E lymphatic stimulation  
F lymphatic inhibition
7. The prefix ab- means:  
A full or to capacity  
B red cell  
C lower than  
D away from  
E cell lysis  
F muscle

8. If you wanted to collect a blood sample from a cow that had the highest possible pituitary hormone concentrations of any blood vessel in the animal, what vessel would you collect blood from?
- |                    |                  |
|--------------------|------------------|
| A pulmonary artery | B cephalic vein  |
| C aorta            | D carotid artery |
| E femoral artery   | F jugular vein   |
9. \_\_\_\_\_ surrounds \_\_\_\_\_ in tissues of the mare.
- |                             |                              |
|-----------------------------|------------------------------|
| A Interstitial fluid, cells | B Hematomas, myocytes        |
| C Saline, nuclei            | D Blood, nuclei              |
| E Edema, myocytes           | F Interstitial fluid, nuclei |
10. The canine spleen is found near the
- |                                       |                              |
|---------------------------------------|------------------------------|
| A cranial omentum of the large colon. | B caudal omentum of the gut. |
| C greater curvature of the stomach.   | D third ventricle.           |
| E femur.                              | F anal opening.              |
11. The functional unit of the \_\_\_\_\_ is the \_\_\_\_\_.
- |                                  |                          |
|----------------------------------|--------------------------|
| A endocyte, exocyte              | B heart, septum          |
| C thorax, pneumocyte             | D lung, alveolus         |
| E interstitial space, lymph node | F heart, coronary artery |
12. Pus contains a lot of these cells:
- |                |                |
|----------------|----------------|
| A neutrophils  | B myocytes     |
| C erythrocytes | D thrombocytes |
| E macrophages  | F hepatocytes  |
13. A \_\_\_\_\_ is a collection of \_\_\_\_\_ in the \_\_\_\_\_ space.
- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| A polypeptide, lipids, intravascular | B lipid, polypeptides, extravascular |
| C hematoma, blood, extravascular     | D ventricle, lymph, extracellular    |
| E hematoma, blood, intravascular     | F ventricle, fluid, intracellular    |
14. The \_\_\_\_\_ is the main inspiratory muscle of the goat.
- |                   |                     |
|-------------------|---------------------|
| A pararenal cells | B paracervix        |
| C diaphragm       | D parahepatic cells |
| E left apoptosis  | F right apoptosis   |

15. In general, the larger the species, the slower the rate of \_\_\_\_\_.
- A SA node discharge
  - B blood clot formation
  - C saline incorporation.
  - D blood formation
  - E blood destruction
  - F hemolysis
16. The buffy coat in a microhematocrit tube is mainly comprised of what 2 cell types?
- A platelets and myocytes
  - B thrombocytes and renal cells
  - C macrophages and erythrocytes
  - D macrophages and alveolar cells
  - E platelets and hepatocytes
  - F leukocytes and thrombocytes
17. A black lab bitch is having a very difficult time delivering her puppies at the end of pregnancy. What term comes to mind?
- A dysuria
  - B myolysis
  - C dyspnea
  - D myostasis
  - E congenital
  - F dystocia
18. Carbon monoxide inhalation in the dog will result in \_\_\_\_\_.
- A hyperglycemia
  - B a lowered PCV.
  - C hypoxia
  - D anemia
  - E gustation
  - F hypoglycemia
19. This is the main pacemaker of the feline heart.
- A Leydig cells
  - B SA node
  - C AV node
  - D PP node
  - E Z-barr cells
  - F M-barr cells
20. Pulmonary interstitial edema increases the thickness of the
- A osmotic barrier.
  - B paralympathic barrier.
  - C intercostal muscles.
  - D diffusion barrier.
  - E trachea.
  - F diaphragm.
21. An extremely rapid heartbeat is
- A normal during bradycardia.
  - B often followed by atresia.
  - C often followed by excessive perfusion.
  - D termed-cardiogenic bradycardia.
  - E termed-tachycardia.
  - F often followed by acute hypertrophy.

22. This term means "the study of structure".
- A teratology
  - B histology
  - C biology
  - D cytology
  - E hematology
  - F morphology
23. A blood sample from a 2,400 pound draft horse contains 8 dl of blood. That equals \_\_\_\_\_ ml of blood.
- A 8
  - B 800
  - C 80
  - D 500
  - E 5,000
  - F 100
24. This blood vessel carries blood away from the right canine ventricle.
- A aorta
  - B myocardium artery
  - C jugular vein
  - D pulmonary artery
  - E third coronary artery
  - F carotid artery
25. Select the only vein that carries oxygen-rich blood.
- A vena cava
  - B pulmonary vein
  - C anterior vagus vein
  - D peripulmonary vein
  - E splenic vein
  - F inferior vagus vein
26. If you collect 0.25 liters of blood from a draft horse, this is equal to \_\_\_\_\_ ml of blood.
- A 25.0
  - B 2.50
  - C 50.0
  - D 150.0
  - E 250.0
  - F 2500.0
27. The sense of smell can be termed \_\_\_\_\_.
- A olfaction
  - B attenuation
  - C gustation
  - D gestation
  - E salivation
  - F ossification