Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. List 5 functions of bones in the animal body.

Matching the following cells with their role in the bone.

1. Osteoclasts
2. Osteoblasts
3. Osteocytes
4. \_\_\_\_\_\_\_\_\_ exchange nutrients & waste with the blood
5. \_\_\_\_\_\_\_\_\_ form a bone structure by secreting collagen
6. \_\_\_\_\_\_\_\_\_ secrete enzymes that digest bones
7. What are the three types of muscles found in the animal body?
8. Which type of muscle do you believe would be the best tasting upon eating it and why?
9. Are a cat’s teeth part of their skeletal system? Why or why not?
10. If a dog comes in with a fracture in their leg, what type of bone was most likely injured? How could you treat this injury?
11. Compare and contrast tendons and ligaments.
12. Give an example of an animal with an endoskeleton.

Match the following terminology with the proper animal sex, state and age.

1. \_\_\_\_ Birthing Process in Hogs a. Mare
2. \_\_\_\_ Immature Female Cattle b. Foal
3. \_\_\_\_ Young (Newborn) Horse c. Barrow
4. \_\_\_\_ Adult Male Intact Sheep d. Farrowing
5. \_\_\_\_ Birthing in Cattle e. Calving
6. \_\_\_\_ Young Male Goat f. Capon
7. \_\_\_\_ Castrated Hog g. Ewe
8. \_\_\_\_ Castrated Chicken h. Pork
9. \_\_\_\_ Mature Female Sheep i. Buck Kid
10. \_\_\_\_ Meat from Hogs j. Ram
11. \_\_\_\_ Mature Female Horse k. Heifer
12. Explain the role of the pituitary gland and thyroid in relationship to bone matrix development.
13. Explain the role of sarcomeres, actin and myosin in muscle movement.
14. What is rigor mortis? Why does it occur? Have you seen it occur in animals at your YA?
15. What type of bone is most important in the skeletal make up of horses in your opinion and why?