Name _____

Go to the following site and read the dissection all the way through. This is for a cow eye. Look

at the pictures and make sure you are able to identify each piece for the quiz Wednesday.

http://www.biologycorner.com/worksheets/cow_eye_dissection_virtual.html

Next, go to this website http://www.youtube.com/watch?v=U04yoLrQHNo and watch the cow

eye dissection. Answer the following questions along with the video. Use your book when

needed.

1. The part in the front that is actually clear but looks very dark is called the

2. The brown muscular ring on the inside of the cornea is called the

3. The cow's pupil is actually what shape?

4. The white part on the outside of the eye (part of the outer gross anatomy) is called what?

5. What is conjunctiva? You see it in the video as he pulls back on the sclera but what is it?
    (Use your book).

6. What is the purpose of fat around the eye?

7. What is the name of the nerve that the fat tissue was surrounding at the back of the eyeball?

8. How gross is that handful of fat and muscle tissue when he cuts it off?

9. Why wouldn't you see the pigmentation under the sclera in humans like you can in the cow?

10. What is the name of the substance that was in between the retina and the front of the eye that he removes from the eye?

11. Describe the substance in #10.

12. In elderly humans what color is the liquid affecting color recognition as we age?

13. What is the name of the hole / space inside the iris?

14. What are the ridges next to the lens part of?

15. Describe the cow's lens.

16. What is the name of the problem when the lens gets cloudy (he uses his sheep lens as an example)?

17. What is the name for inability to see things close up (it usually happens when we age)?

18. What is the purpose of the reflective surface on the back of the eye?

19.   What was the gray / pink surface that is soft and delicate on the back of the eye?

20. What is the name of the place where the retina attaches firmly and is the thickest in blood vessels?