

White County 4-H
Rabbit Educational Activities – 9th grade

Project Year _____

4-H'er Name _____ Club _____

Activity #1

Define:

1. **Outcrossing:** _____

2. **Linebreeding:** _____

3. **Inbreeding:** _____

4. **Crossbreeding:** _____

5. **Genotype:** _____

6. **Phenotype:** _____

7. **Genetics:** _____

8. **Heredity:** _____

9. **What are some of the reproduction challenges that breeders need to overcome? (pg 72)**

a. _____

b. _____

c. _____

d. _____

e. _____

f. _____

g. _____

10. The _____ chromosomes are the pair of chromosomes that determine the rabbits sex at fertilization. (pg 70) (sex)

White County 4-H
Rabbit Educational Activities – 9th grade

Project Year _____

4-H'er Name _____ Club _____

Activity #2

Genetics Activity—Intermediate Level

Fill in the blanks below, using words or symbols from the word list.

CC
22
mutation

44
Bb
D

phenotype
Y
aa

chromosome

1. Homozygous dominant genotype. _____
2. A sudden heritable change. _____
3. Homozygous recessive genotype. _____
4. Heterozygous dominant genotype. _____
5. Genes are located on this rod-like structure.

6. Rabbit cells contain _____ chromosomes.
7. A symbol for a dominant gene is _____.
8. Which chromosome determines the sex of a rabbit? _____
9. The number of chromosome pairs found in a rabbit's body cell is _____.
10. The physical appearance of a trait, such as the color "chocolate," is referred to as the
_____.

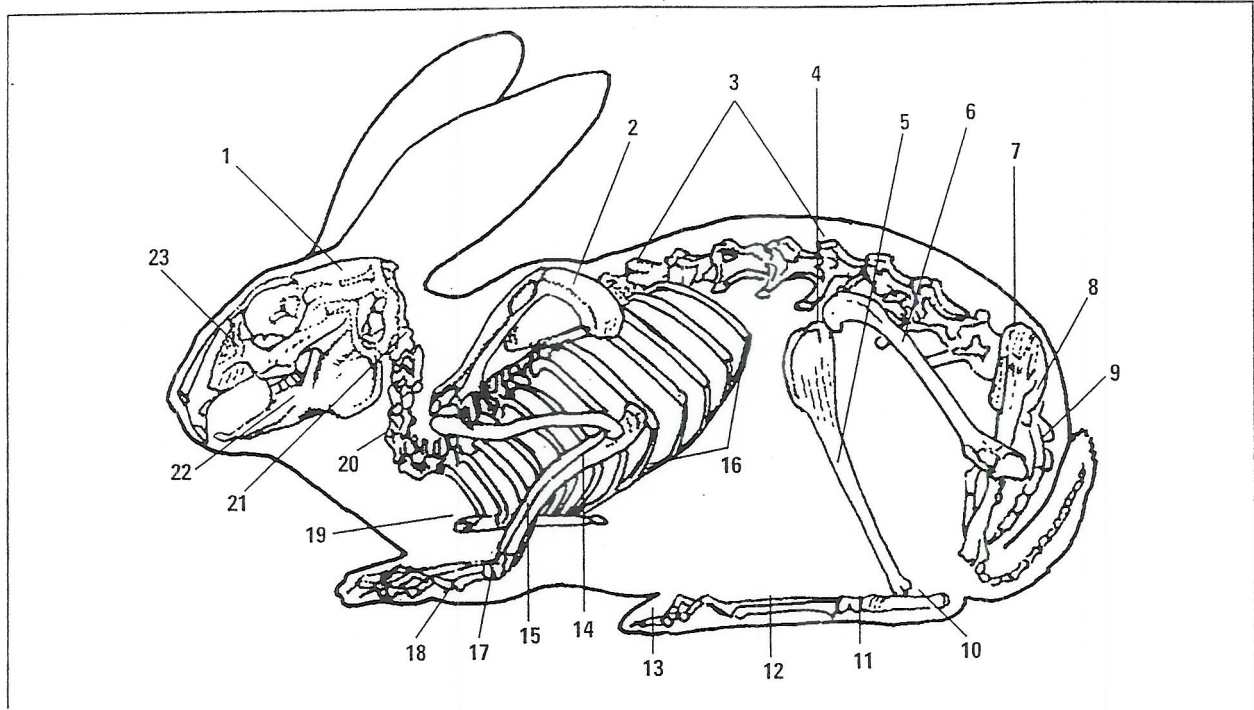
White County 4-H
Rabbit Educational Activities – 9th grade

Project Year _____

4-H'er Name _____ Club _____

Activity #3

Major Parts of a Rabbit Skeletal System



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____
21. _____
22. _____
23. _____