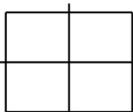
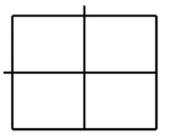
## HA Inv. 2 i-Check Review

## 1. What is DNA?

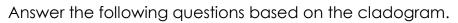
- 2. What are Alleles? How many alleles are there for each trait?
- 3. What is a Gene? What does it do;
- 4. How does an organism inherit its traits?
- 5. Mendel's pea plants were tall or short. Tall (T) is the dominant allele and short (t) is the recessive allele. What combinations would give us tall pea plants? \_\_\_\_\_ and \_\_\_\_\_
- 6. What combination would give us a short pea plant? \_\_\_\_\_
- 7. Do a Punnett square for two Heterozygous Pea plants (Tt) and their offspring.
- 8. What percent (think probability) of the pea plants may be tall from this generation?

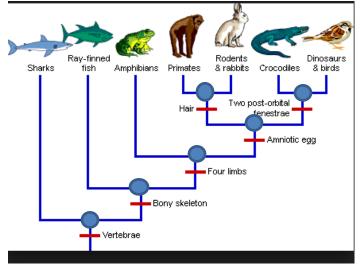


- 9. List the genotypes that are possible from this cross.
- 10. Cross a Homozygous tall plant with a homozygous short plant.



11. What are the possible genotypes for this cross? What are the phenotype percentages?





12. What characteristic do all of these animals share?

13. What characteristics do sharks and fish share?

14. What characteristics Frogs and crocodiles share?

15. Place an X where mammals branched off from the other vertebrates.

16. The circles represent \_\_\_\_

17. Are Sharks direct descendants of birds? Explain

18. Where is the most recent common ancestor of Primates and Birds?

19. Where would dolphins fit into this cladogram? Why?