

Name: _____

Genetics Vocabulary Pre-quiz

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| 1. Trait _____ | A. a piece of DNA that codes for a trait |
| 2. Allele _____ | B. any characteristic that can be passed from parent to offspring |
| 3. Gene _____ | C. alternate form (or variation) of a gene |
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| 4. Dominant _____ | A. allele that is <u>expressed</u> in the hybrid |
| 5. Recessive _____ | B. allele that is <u>masked</u> in the hybrid |
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| 6. Phenotype _____ | A. the alleles are the same (RR or rr); pure |
| 7. Genotype _____ | B. the physical feature (e.g. red, white) |
| 8. Homozygous _____ | C. the actual genes for a trait (RR, Rr, rr) |
| 9. Heterozygous _____ | D. allele combination of one dominant & one recessive (Rr); hybrid |
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| 10. Autosomal traits _____ | A. Traits (genes) coded on a chromosome that is NOT a sex chromosome |
| 11. Incomplete Dominance _____ | B. Two alleles are both expressed in heterozygous individuals. |
| 12. Codominance _____ | C. Traits (genes) coded on the X or Y chromosome |
| 13. Sex linked traits _____ | D. F1 hybrids have an appearance somewhat between the phenotypes of the two parental varieties (ex. red x white = pink) |
| 14. Complete Dominance _____ | E. One allele masks the appearance of the other (You cannot tell if the organism is homozygous dominant or heterozygous, based on appearance) |
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| 15. Test cross _____ | A. the specific location of a particular gene on a chromosome. |
| 16. Multiple alleles _____ | B. a cross between a unknown genotype/dominant phenotype organism with a homozygous recessive organism (used to determine the unknown organism is homozygous or heterozygous for that trait. |
| 17. Locus (loci) _____ | C. in a whole population, some genes have more than two alleles |
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17. Parental cross _____ A. kids
18. F1 _____ B. homozygous
19. F2 _____ C. grand kids
20. Hybrid _____ D. to make
21. True Breeding _____ E. heterozygous
22. Yield _____ F. original cross
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Label the terms below with the appropriate letter from the diagram:

23. haploid _____
24. offspring _____

25. If this trait shows complete dominance, list the
Genotypic ratio:
Phenotypic ratio:

26. If this trait shows incomplete dominance, list the
Genotypic ratio:
Phenotypic ratio:

