Genetic Vocab

1. Mendel – father of genetics worked with pea plants
2. Gene – part of a chromosome that codes for a certain trait
3. Trait – a characteristic
4. Allele – the forms of a trait
5. Dominant – the allele that shows over the other
6. Recessive – the allele that is hid by the other
7. Rule of dominance – the dominant allele will be expressed over the recessive
8. Incomplete Dominance – type of inheritance where there is no dominance, they blend(mix)
9. Codominance – type of inheritance where they both are expressed
10. Homozygous – two of the same alleles - same
11. Heterozygous – one of each allele - Different
12. Phenotype – the physical appearance of the expression of a gene
13. Genotype – the actual genes (symbols) of the gene
14. Cross – 2 organisms that produce babies
15. Offspring - babies
16. Punnett square – method of determining % of offspring pheno or geno types
17. Independent assortment – chromosomes will sort in every possible manner into sex cells
18. Fertilization – the union of an egg and a sperm
19. Filial 1 – the babies of the parents
20. Test cross – a cross between an unknown and a homozygous recessive
21. Homozygous dominant - has 2 dominant genes for a trait
22. Homozygous recessive – has 2 recessive genes for a trait
23. Monohybrid cross – a cross where only one set of traits is involved
24. Gene expression – when the gene is shown in the phenotype of an organism
25. Inheritance - the passing of genes to offspring