Across
2. a unit of heredity that is transferred from a parent offspring and is held to determine some characteristics of the offspring
13. they are expressed or seen when a heterozygous genotype is present
18. the set of observable characteristics of an individual resulting from the interaction of its genotype with the environment

Down
1. the action or process of fertilization an egg, female animal, or plant, involving the fusion of male and female gametes to form zygote
3. a pair of genes where one is dominant and one is recessive
4. this is a combination of the two genes that determine a trait
5. a diagram that is used to predict an outcome of a particular cross or breeding experiment
6. the parents will pass down a specific phenotype trait to their offspring
7. used to measure the chances or likelihood of an event to occur, a hypothesis being correct, or a scientific prediction being true
8. a pair of matching alleles, which are the two genes that control a particular trait
9. the study of heredity and the variation of inherited characteristics
10. the separation of pairs of alleles at meiosis and their independent transmission via separate gametes
11. a mature haploid male or female germ cell that is able to unite with another of the opposite sex in sexual reproduction to form a zygote
12. a gene or allele in which the effect is not tangible, or is masked by the effects of the dominant gene
14. a transmission of characteristics from parent offspring to children
15. they are different forms of genes
16. the offspring of two plants or animals of different species or varieties, such as a mule (a hybrid of a donkey and a horse)
17. a characteristics such as a color or size that is inherited by an offspring from its parents