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ACROSS

- 1 both alleles of genotype identical
- 5 explanation for traits such as height and skin pigmentation in humans
- 6 Mendelian crosses with two traits considered at once
- 7 the offspring of a pea
- 10 the fly used by Morgan in genetic studies
- 11 ratio of dominant to recessive in F1 offspring of Mendelian monohybrid cross
- 13 Explanation for ABO blood groups in humans

- 15 why were there no white-eyed female flies in the F2 generation of Morgan's experiments?
- 17 female part of flower
- 19 pea flower characteristic
- 20 process that gets male and female gametes together in the flower
- 21 father of genetics
- 23 modern interpretation of alternate Mendelian factor
- 24 Mendel's Law of Segregation explained by this process
- 26 location of eye color gene in Morgan's flies
- 28 type of pea that breeds

- 'true'
 - 29 method for calculating ratio of genotypes in offspring
 - 30 The random orientation of chromosomes during meiosis I explains this Mendelian law
- DOWN**
- 2 sex chromosome that determines maleness in the fly
 - 3 trait that disappeared in the F1
 - 4 the characteristics of an organism that are expressed

- 8 discovered that genes are on chromosomes
- 9 both dominant and recessive alleles found in genotype
- 12 where two or more genes interact to affect the phenotype
- 14 explanation for pink snapdragon flowers
- 16 allelic makeup of an organism
- 18 many of the parental strains of Morgan's flies were _____
- 22 male part of flower
- 25 male gamete in plants
- 27 trait expressed in all F1 offspring

Solution:

