Across
2. An organism that has two different alleles for a trait
4. Augustinian monk and botanist whose experiments in breeding garden peas led to his eventual recognition as founder of the science of genetics (1822-1884)
5. An organism's genetic makeup
8. The likelihood that a particular event will occur
9. An organism's physical appearance, or visible traits.
12. Scientific study of heredity
13. A condition that appears only in individuals who have received two copies of a mutant gene, one copy from each parent
14. An organism that has two identical alleles for a trait
15. These are found in every cell. contained with them is DNA.

Down
1. A genetic factor that blocks another genetic factor
3. A diagram for predicting the allele composition of offspring from a cross between individuals of known genetic makeup.
6. A characteristic that an organism can pass on to its offspring through its genes.
7. Alternative forms of a gene for each variation of a trait of an organism
10. The passing of traits from parents to offspring
11. A segment of DNA on a chromosome that codes for a specific trait copies of a mutant gene, one copy from each parent