Principles of Heredity

1. Gregor __________________, the “father of genetics”
2. The first _________________ generation is the offspring of a cross between parents that are
   pure for a given trait.
3. The principle of ______________________ and recessiveness.
4. The outward expression or appearance: ____________________________
5. Cross that involves parents that differ in TWO traits. __________________________
6. The study of heredity: ______________________________
7. An alternate form of a gene: _______________________
8. The Principle of ______________________________ Assortment
9. Having non identical alleles (not pure; ex. Aa): ____________________________
10. Having identical alleles (pure, ex. AA): _______________________________
11. Square used to determine probability and results of cross: __________________________
12. The allele that is masked or covered up by the dominant allele: __________________________
13. The genetic make-up or an organism (Tt): _______________________________
14. A cross that involves ONE pair of contrasting traits: ___________________________
15. The plants Mendel did his studies on: __________________________
16. The likelihood that an event will happen: ____________________________
17. When neither allele is dominant (they are both expressed) ___________________________
18. Principle of __________________________ states that alleles separate when gametes are
   formed.

Name __________________________