Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Genetics**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Benchmark** | **I Can Statement…** | **I Get It** | **I’m Starting to Understand** | **I Don’t Understand** |
| 4.1a | I can explain how meiosis and fertilization cause genetic variation |  |  |  |
| 4.1b, 2.3a | I can compare sexual and asexual reproduction (mitosis & meiosis) |  |  |  |
| 4.2a | I can explain Mendel’s laws of segregation and independent assortment |  |  |  |
| 4.2b | I can demonstrate possible recombination results from two pairs of traits |  |  |  |
| 4.2c | I can relate Mendel’s principles to plant and animal breeding |  |  |  |

**Terms:**

Asexual Reproduction:

Chromosome:

Dominant Trait:

Fertilization:

Genes:

Genotype:

Independent Assortment:

Inheritance:

Mitosis:

Meiosis:

Phenotype:

Recessive Trait:

Segregation:

Sexual Reproduction: