**Genetics Vocabulary Terms**

1. **Hybrid/ heterozygous-** an organism that has genes that are different for a trait

2. **Purebred-** an organism that has the same genes for a trait

3. **Dominant-** the stronger trait of two genes that will show up the in the daughter cell

4. **Recessive**- a term that describes an allele that is not shown when combined with a dominant form of the gene

5. **Allele**- each member of a gene pair that determines a specific trait/characteristic

6. **Gene**- basic unit of a segment of DNA on a chromosome

7. **Genotype**- gene make up of an organism

8. **Phenotype**- the physical characteristics of an organism

9. **Chromosomes- the** physical structure in a cell that contains the cell’s genetic material

10. **Heredity-** the passing of genes from parents to offspring

11. **Punnett square-** a chart that illustrates how parent genes might combine in offspring

12. **Probability –** thelikelihood that a specific outcome will occur

13**. Gregor Mendel**- the Austrian monk who experimented with cross breeding pea plants to study inherited traits. Called the Father of Modern Genetics

14. **Gametes**- the sex cells (egg and sperm cells)

15. **Meiosis-** division of the gametes (egg and sperm cells) that produces gametes with 23 chromosomes (half the usual amount of a human cell)