Define the following five terms (1 point each):

1. **Allele:**
   
a form of a particular gene
   

2. **Gene frequency:**
   
within a population, the proportion of chromosomes containing a particular gene
   

3. **Imprinting:**
   
the process by which a gene is expressed differently depending on whether it is inherited from mom or dad
   

4. **Nondisjunction:**
   
an event when homologous chromosomes or sister chromatids fail to separate properly into gametes
   

5. **Penetrance:**
   
the fraction of individuals that carry a disease-causing genotype that actually show the disease phenotype.