## Physical Science Heredity Vocabulary Period

KJHS Chapter 6 Name

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| **WORD** | **DEFINITION** | **EXAMPLE** |
| 1. Heredity p174 | \_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_ from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| 1. Genetics p 174 | is the study of how \_\_\_\_\_\_\_\_\_\_\_ are inherited. | |
| 1. Dominant Trait p176-7 | The \_\_\_\_\_\_\_\_\_\_ from the \_\_\_\_\_\_\_\_\_\_\_ that is \_\_\_\_\_\_\_\_\_\_\_\_\_or “\_\_\_\_\_\_\_\_\_\_” | Dominant= \_\_\_\_\_\_\_ case letter, \_\_ |
| 1. Recessive Trait p176-7   “M\_\_\_\_\_\_\_\_\_” | The \_\_\_\_\_\_\_ that does not “\_\_\_\_\_” \_\_\_\_\_ \_\_\_\_\_\_\_ \_\_ \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ | Recessive= \_\_\_\_\_\_\_ case letter, \_\_ |
| 1. Genes p 180 | One set of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for an inherited \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. | Part of \_\_\_\_\_\_\_ |
| 1. Alleles p 180 | The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ version of a \_\_\_\_\_. | Eye color= \_\_\_\_\_\_\_\_  Brown, blue or green eyes= \_\_\_\_\_\_\_\_\_ |
| 1. Phenotype p 180 | An organism’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |
| 1. Genotype: p 181 | The \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ of an organism | It is represented by \_\_\_\_ letters |
| 1. Homozygous or Purebred | When an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ has \_\_\_\_ of the \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_= homozygous   \_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_= homozygous   \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Heterozygous or Hybrid | Having \_\_\_\_\_ each of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ |  |
| 1. Punnett Square | Used to \_\_\_\_\_\_\_\_\_\_\_\_ the \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_ | Male=\_\_\_ x Female=\_\_\_    Genotype Ratio=  Percent=  Phenotype Ratio=  Percent= |
| Write the ratios in the following orders:  **Genotypic ratio**  Homozygous dominant : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ : homozygous recessive    **Phenotypic ratio**  \_\_\_\_\_\_\_\_\_\_\_\_\_ : \_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| 1. Probability | The \_\_\_\_\_\_\_\_\_\_ that something will happen |  |
| 1. One Gene, Many Traits p 184 |  |  |
| 1. Many genes, one trait p 185 |  |  |
| 1. Importance of environment   p 185 |  |  |
| 1. Genetic Variation Pg 186 | The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the sets of \_\_\_\_\_\_\_\_\_\_\_\_\_ between \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in a population |  |
| 1. Mutation | Structural changes to \_\_\_\_\_\_\_\_\_\_\_. May affect \_\_\_\_\_\_\_\_\_\_\_\_\_. | May result in: \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_ effects |
| 1. Natural Selection | Leads to the \_\_\_\_\_\_\_\_\_\_\_\_\_ of certain \_\_\_\_\_\_\_\_\_\_\_ in a population, and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of others |  |
| 1. Artificial Selection | Is the intentional \_\_\_\_\_\_\_\_\_\_\_\_\_ of individuals in a population that have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_,  Ex. Selective Breeding  The practice be which \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_ for \_\_\_\_\_\_\_\_\_\_ based on \_\_\_\_\_\_\_\_\_\_ traits. |  |
| 1. Adaptation by natural selection | \_\_\_\_\_\_\_\_\_ that \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_in the \_\_\_\_\_ environment become \_\_\_\_\_\_\_common; those that \_\_ \_\_\_\_\_ become \_\_\_\_\_\_\_\_common |  |
| Time line page 168:   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 1859 | 1865 | 1905 | 1941 | 1951 | 1953 | 1990 | 1997 | 2003 | <2016 | |  |  |  |  |  |  |  |  |  |  | | | |
| **Bookwork: READ the Quick Lab “Probabitity” on page 182** Summary: In this activity you will predict the color of fur for the offspring of 2 guinea pigs. Both parents have brown fur and the genotype Bb.  The allele for **brown fur, B, is dominant**. The allele for **white fur,b, is white.**  DATA: 1.\_\_\_\_ 2.\_\_\_\_ 3.\_\_\_\_ 4.\_\_\_\_ 5.\_\_\_\_ 6.\_\_\_\_ 7.\_\_\_\_ 8.\_\_\_\_ 9.\_\_\_\_ 10.\_\_\_\_  a) How many times did you get the ‘*bb’* combination? \_\_\_\_\_\_\_\_\_  b) What is the probability that the next toss will result in ‘*bb’?\_\_\_\_\_\_\_\_\_\_\_\_*  c) What are the chances that the guinea pigs’ offspring will have WHITE fur? \_\_\_\_\_\_\_\_\_\_ | | |