**Vocabulary: fill in the Blanks**

1. Different variations of a gene.
2. An individual's collection of genes and alleles.
3. An allele that is only expressed in a homozygous state.
4. An allele that is expressed in a heterozygous state.
5. A unit of heredity that usually encodes a protein.
6. A diagram used to predict genotypes.
7. When dominant alleles mask recessive allele effect.
8. When recessive alleles have a partial phenotypic effect.
9. A specific characteristic or attribute of an organism.
10. The offspring generation.
11. The generation preceding the offspring generation.
12. Also known as allele frequency.
13. Set of all genes found within a given population.

**Circle choices that match each word:**

<table>
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<th>Hn</th>
<th>Nn</th>
<th>aa</th>
<th>Bb</th>
<th>hh</th>
<th>Yy</th>
<th>YY</th>
<th>Aa</th>
<th>Gg</th>
<th>oo</th>
<th>EE</th>
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<tbody>
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<td>NN</td>
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</table>

**Complete the Punnett squares:**

- **a** x **a**
  - A
  - a

- **H** x **h**
  - H
  - h

- **B** x **B**
  - B
  - b