Name		
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## Mendel and Genetics

<b>Directions</b> : Answer the follow	ving questions completely.
1. The chances of an offspring receive	is a chart, used by geneticists, to help determine the ing a particular characteristic.
2. Before parents can mate suc	ecessfully each one must produce special cells called
	the normal number of chromosomes of regular
4	is considered the father of Genetics.
5. DNA contains the code for	every that an organism can produce.
6. According to Mendel,	pairs separate during gamete formation.
7. Mendel called traits that app	peared more often than its alternate
8. This trait or characteristic is recessive allele.	assigned a(n)letter to distinguish it from its
9. If two alleles for a character	ristic are identical the organism is said to befor that trait.
11. The	is the outward appearance of an organism traits.
12. Tt or BB represents the	of <b>a</b> organism.
13. An alternate form of a gene	e is called its
Read the following problem, s questions that follow.	olve it by working out the Punnett square, and then answer the
Mate a rooster that is homozyg feathers. Straight feathers are	gous for curly feathers with a hen that is heterozygous for straight e dominant to curly feathers.
1. Choose a letter to represent straight feathers	the allele curly feathers and one for the allele
2. Write out the genotypes of e	
3. Complete the Punne	H Square for this cross.
4. Write the genotypic	and phenotypic ratios of the potential outcomes