Name	Date	Period
Target Practice	e, Unit 7 Test, Topic #1 – Introduction to Ge	<u>netics</u>
Directions: Write the correct letter on the correct letter of the correct letter letter of the correct letter let	of the definition that matches the correct vocabular	y word to the left of each
1. Heterozygous2. Monohybrid Cross3. Genotype4. Dominant allele5. Recessive allele6. Dihybrid Cross7. Genetics8. Alleles9. Phenotype10. Trait11. Heredity	A. Cross involving a single trait, e.g. flower B. Cross involving two traits, e.g. flower C. Gene combination of two different allel D. Two forms of a gene (dominant and ref. E. The physical feature resulting from a g. F. Characteristic that can be passed from g. Study of heredity H. Weaker of the two genes; represented I. Stronger of two genes expressed in the J. Passing of traits from parent to offsprin K. Gene combination for a trait (e.g. RR, I. Gene combination of two of the same of two of the same o	color and plant height les. cessive). enotype parent to offspring by a lowercase letter. hybrid g. Rr, rr).
12. Homozygous	L. Gene combination of two of the same a	illeles. (e.g. KK or fr)
Explain Mendel's three laws:		
1. Law of Dominance-		
2. Law of Segregation-		
3. Law of Independent Ass	sortment-	
Directions: To the right of each of each of those words.	f the following words are choices. Circle the choice	s that are examples of
1. Dominant allele D e k L N	n R S	
2. Recessive allele M n d F G	r k P	

3. Homozygous dominant -- AA Gg KK mm uu Rr TT

5. Genotypes in which dominant gene must show -- AA Dd EE ff Jj RR Ss

6. Genotypes in which recessive gene must show -- aa Gg Ff KK rr Oo Tt

4. Homozygous recessive -- ee Ff HH Oo qq Uu ww

7. What do the letters on the o	outside of the Punnett square	stand for?	
8. What do the letters on the i	nside of the Punnett square st	and for?	
9. In guinea pigs, short hair, S to the directions given. Then,  One guinea pig is Ss and	fill in the blanks beside each done is ss.		
%SS % Ss % ss	% short hair % long hair		
%SS % Ss % ss	terozygous for short hair % short hair % long hair		
10. In humans, being a tongue woman who is heterozygous		non-roller (r). A man who	is a non-roller marries a
Father's phenotype	Mother's phenotype		
Father's genotype	Mother's genotype	_	
What is the probability of this	s couple having a child who is	a tongue roller?	_