Name:	Period:

Comparison of Inheritance Types

I. Mendelian vs. Non-Mendelian Inheritance

Identify which type of inheritance is being described in each of the following, using the options given in the provided choice bank. Write the letter of the correct answer on the blank.

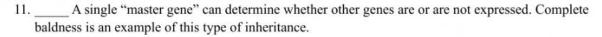
Choice Bank for Questions 1-10		
A. Complete dominance	C. Codominance	
B. Incomplete dominance	D. Incomplete dominance AND Codominance	
A form of dominance where a third phenotypes.	otype appears after a cross, usually a blend of the two	
2. A ratio of 3:1 is seen in the offspring, who is one that has wrinkled seeds.	ere for every three offspring that have round seeds there	
3 An example of this is a cross between a c plant that has white flowers. The offspring production	arnation plant that has red flowers and another carnation uced pink flowers.	
4 One of the two alleles is fully expressed to	while the other is overpowered.	
5The allele is not fully expressed in the het	erozygote, but is partially expressed.	
6 The offspring shows the phenotypic traits	s of both parents at the same time.	
7 The resulting pattern in the offspring does	s not follow Mendelian inheritance patterns.	
8 An example is blood type AB where both	alleles I ^A and I ^B are fully expressed.	
9 Only one of the two parental phenotypes	is expressed in the hybrid offspring.	
10 It assumes that one of the two alleles is de	ominant over the other.	
II. Complete the Venn diagram Record at least 2 items in each section of the diag	gram below.	
Incomplete Dominance Bo	oth Codominance	



III. Comparison of Non-Mendelian Inheritance Types

Identify which type of inheritance is being described in each of the following, using the options given in the provided choice bank. Write the letter of the correct answer on the blank. Some choices will be used more than once.

C	hoice Bank for Questions 11-2	.0
A. Incomplete dominance	B. Codominance	C. Polygenic inheritance
D. Epistatic inheritance	E	. Sex-linked inheritance



- 12. ____ Males are more likely to inherit recessive conditions than females in this type of inheritance.
- The heterozygous individuals will result in an intermediate/blended phenotype between the parents.
- 14. ____ Inheritance pattern that results in a wide variety of phenotypes. An example is skin color.
- Inheritance pattern that results in both phenotypes expressed equally in the heterozygous offspring.
- Many genes are linked together to produce the trait.
- 17. _____ Traits following this inheritance pattern are usually written as superscripts on X chromosomes.

