

Name Quiz r	: name: Chapter 14 Review		Date:		
1. (A)	Which of these is a testcross?. A? x aa				
B C D	A? x AA A? x Aa				
2. (A) (B) (C) (D)	aa x aa That each gamete contains a single allele for a particular gene Mendel's law of segregation only. Darwin's theory of natural selection. Mendel's law of independent assortment only. both Mendel's law of segregation and Mendel's law of indepen			f.	
3. (A) (B) (C) (D)	In a two-factor cross, a phenotypic ratio of 9:3:3:1 in the offsp both parents are homozygous dominant. both parents are heterozygous for both genes. one parent is homozygous dominant and one parent is heterozygous rec	zygous.	ss indic	cates th	at.
4. (A) (B) (C) (D)	The observed distribution of alleles into gametes is an illustra Mendel's law of dominance only. Mendel's law of segregation only. Mendel's law of independent assortment only. Mendel's laws of segregation and independent assortment.	tion of. Phenotypes: Genotypes: Gametes:		Black eyes, green skin OoWw	OW
5. (A) (B) (C) (D)	 Black eyes (O) are dominant to orange eyes (o), and green skin A OoWw x ooww cross yields a phenotypic ratio of approxim orange eyes, white skin : 1 black eyes, white skin : 1 orange eye following best explains these results?. Mendel's law of segregation is being violated. Mendel's law of independent assortment is being violated. Mendel's laws of segregation and independent assortment are The heterozygous individual is male, and the homozygous individual 	ately 5 black es, green sk being violat	k eyes, g in. Whi red.	green sl	kin : 5
6. (A) (B) (C)	Andalusian chickens with the genotype C ^B C ^B are black, those with the genotype C ^B C ^W are gray. What is the relativalleles?. C ^B is dominant to C ^W . C ^W is dominant to C ^B . C ^B and C ^W are codominant. The relationship between the alleles is one of incomplete domi		otype (een the	C ^W C ^W ai e C ^B and	re white, d C ^W

	A woman with type AB blood marries a man with type O. What is the probability that their first
7.	child will have either of the parents' blood types?.
A	0%

В	25%
C	50%
\bigcirc	75%
8.	Coat color in Labrador retrievers is an example of epistasis, in which a single trait is influenced by two separate genes. What is this dog's genotype? B=black melanin, b=brown melanin E=full deposition, e=reduced deposition.
A	BbEE
В	Bbee
С	bbEe
D	bbee
	Freckles (F) and a widow's peak (W) are dominant human traits. John and Sarah have both, but
9. (A)	their son Casey has neither. What are John and Sarah's genotypes?. FFff and WWww
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 ▲ B C D 10. ▲ ▲ 	their son Casey has neither. What are John and Sarah's genotypes?. FFff and WWww FfWw and FfWW FfWw and FfWw FFWW and ffww The results of the following cross indicate that the. two genes are linked. MendAlien species is polyploid.