

Genetics Quiz	Score:
 In the genotype the capital letter stands for the letter	he allele.
2. In humans, straight toes (S) is dominant over would form from a cross between a recessive ma (A) SS, Ss, Ss, Ss (B) Ss, Ss, Ss, Ss (C) Ss, Ss, Ss, Ss (D) Ss, Ss	curled toes (s). What genotypes le and a heterozygous female?
3. In wildcats, gray fur is dominant (G) and purp heterozygous male wildcat and a homozygous rewhat are the possible genotypes of the offspring figure this out) A Gg & gg B GG & gg C GG D Gg & Gg E gg	le fur is recessive (g). if a cessive female wildcat reproduce, (Hint: make a Punnett Square to
 4. Lower case letters refers to what kind of trait A recessive B dominant 	s?
5. In garden peas, round seed coats (R) are dom In a cross between a homozygous male and a het possible genotypes of the offspring? A RR, rr B Rr, Rr C Rr, rr	inant over wrinkled seed coats (r). erozygous female, what are the

6. In a cross between a homozygous round pea plant (RR) and a homozygous wrinkled pea plant (rr), what percentage of pea plants will come out round?

(A)	25%
B	50%
C	75%
D	100%
7. (A) (B) (C)	Hybrid is to heterozygous as is to homozygous. purebred recessive dominant
8.	Which of the following represents a homozygous recessive genotype?
A	ттт
B	tt
\overline{C}	П
	Tt
9.	The physical appearance of an organism, such as color, height, hair type, or skin
A	phenotype.
B	homozygous.
	genotype.
	heterozygous.
(neter ozygous.
10.	An example of a heterozygous pairing is
A	PPPP
В	PP
(c)	Рр
	рр
_	
11.	Robert Hooke is to cells as is to genetics.
(A)	Robert Hooke
(B)	Robert Schwann
(c)	Gregor Mendel
D	George Mendez
12. pos	If both white flowers (W) and red flowers (R) are dominant, what are the sible phenotypes that could arise in the offspring?
A	Red flowers with White stripes
\bigcirc B	Pink flowers

С	Either red flowers or white flowers
D	both a and b
	If a mother and a father both have type AB blood (IAIB), what are the odds that r children will also have type AB blood? 25% 50%
\bigcirc	75%
D	100%
	Katie passes a local dairy farm that has many brown cows, but only a few white s. A dominant allele produces brown hair in cows, and a recessive allele produces te hair. What characteristic of any brown cow can Katie identify?
A	the phenotype of the cow's hair color
В	the genotype of the cow's hair color
C	the phenotype of both of the cow's parents
D	the genotype of both of the cow's parents
15. are Spo	In sponges, squarepants (S) are dominant to roundpants (s), and long noses (L) dominant to stubby noses (l). What would be the dihybrid genotype of ngebob Squarepants if he was a purebred squarepants with a stubby nose?
A	SsLl
В	SSLL
C	ssLl
D	SSLI
E	SSII