

Name: \_\_\_\_\_  
Date: \_\_\_\_\_  
Period: \_\_\_\_\_

### Genetics Review & Word Search

1. In sickle cell disease, if a homozygous dominant (RR) man had a baby with a homozygous recessive female(rr), what are the chances that the baby has the disease(rr)?

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Draw a Punnett Square for the above question.

Below is a word search for vocabulary that we have used to discuss genetics in class. Below the word search are questions which when answered correctly will tell you which words you should search for. Complete both the questions and the word search. Be sure that your spelling is correct.

E	N	E	T	I	C	G	E	N	E	T	I	C	S	S
A	P	Y	H	O	T	Z	Y	D	N	A	S	O	E	S
N	H	Y	E	S	P	H	E	O	C	H	U	R	N	S
O	O	Z	T	C	H	R	O	M	O	S	O	M	E	S
T	T	U	E	O	E	E	M	I	M	M	N	A	G	S
Y	O	U	R	A	N	C	O	N	O	A	A	R	P	S
P	S	Z	O	T	O	E	T	A	L	L	E	L	E	S
E	Y	Y	Z	A	T	S	G	N	P	L	R	D	N	S
R	N	G	Y	E	Y	S	T	T	G	E	E	N	E	S
W	T	O	G	R	P	I	A	E	E	E	T	T	R	S
I	H	A	O	O	E	V	N	R	N	S	E	R	I	S
N	A	S	U	O	G	Y	Z	O	M	O	H	A	E	S
S	T	N	S	N	G	R	G	C	O	M	P	H	R	S

1. Sequences of proteins that determine characteristics are called \_\_\_\_\_.
2. The visual expression of your genes is called your \_\_\_\_\_.
3. To be seen on a person, \_\_\_\_\_ alleles must be homozygous.
4. Two \_\_\_\_\_ of a gene are needed to define a trait.
5. When the dominant and recessive forms of the gene are both present, the genotype is said to be \_\_\_\_\_.
6. Your father and mother both give you 23 \_\_\_\_\_.
7. Xybb is the \_\_\_\_\_ for blue-eyed boys.
8. When both alleles are the same, they are \_\_\_\_\_.