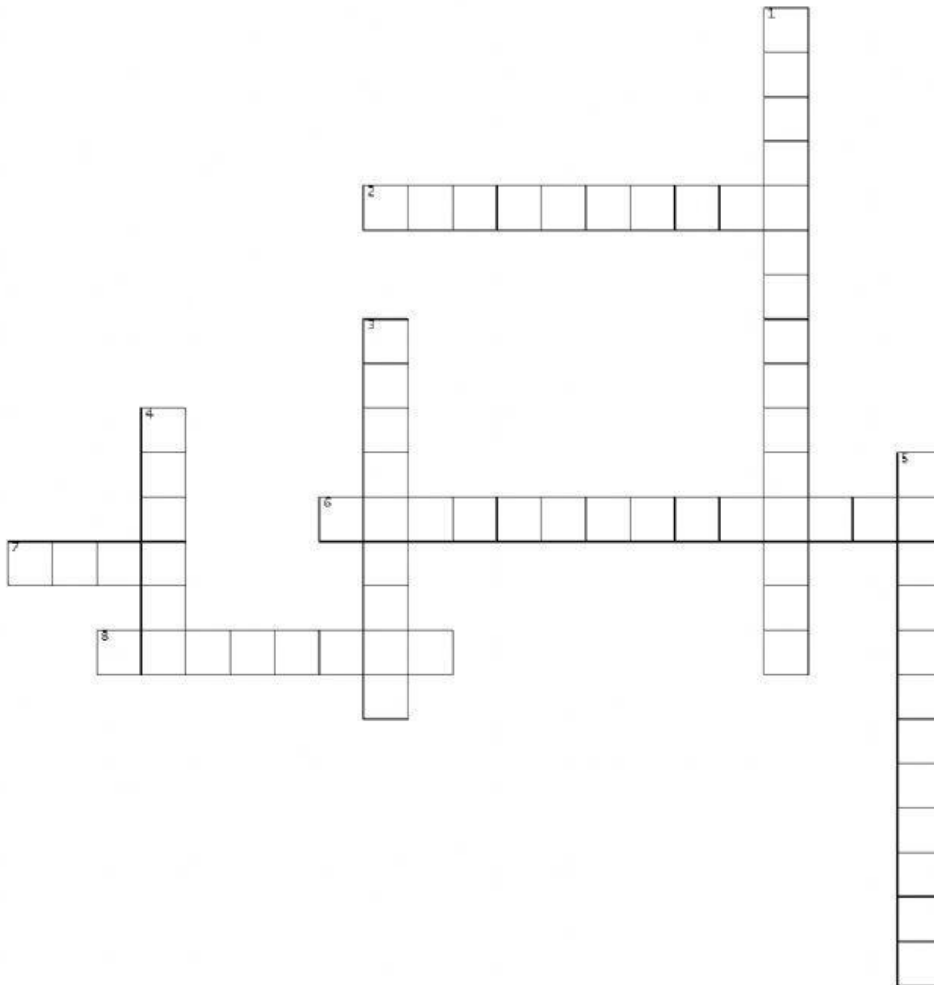




Puzzlemaker is a puzzle generation tool for teachers, students and parents. Create and print customized word search, criss-cross, math puzzles, and more-using your own word lists.

## Genetics



### ACROSS

2. Individual that, for a gene, has the same allele on each homologous chromosome. For example, YY or yy.
6. Allele that is always expressed, even if the other allele carries different information. It is indicated by a capital letter. For example, the dominant allele in seed colour in peas was the yellow one (Y).
7. Fragment of DNA that controls a certain trait. For example, seed colour in peas.
8. Set of genes possessed by an individual. Half these genes come from one parent and the other half from the other. For example, the genotype of a heterozygous yellow pea would be Yy.

### DOWN

1. It is only expressed when both alleles are the same. It is indicated by a lower-case letter. For example, the recessive allele in seed colour in peas was the green one (y).
3. Manifestation or appearance of a trait in an organism. For example, the phenotype of a pea that is Yy would be yellow.
4. Each alternative form that a gene can take. For example, seed colour in peas could be yellow or green.
5. Individual that, for a gene, has different alleles on each homologous chromosome. For example, Yy.

**Use the clues to fill in the words above.**

Words can go across or down.

Letters are shared when the words intersect.

8 of 8 words placed.

# Genetics

Q	J	M	W	B	G	F	J	G	W	V	N	Y	S
M	M	B	F	V	V	U	D	E	T	W	T	F	W
N	H	M	B	O	W	N	O	N	P	Y	O	J	R
B	E	P	W	E	L	A	M	E	O	I	G	G	E
G	T	K	B	O	K	K	I	M	J	T	N	Y	C
E	E	L	D	V	Z	P	N	A	B	Y	J	N	E
N	R	S	B	T	R	E	A	C	L	J	M	Q	S
O	O	C	N	V	T	L	N	E	E	L	U	T	S
T	Z	G	G	J	X	R	T	X	Y	T	E	V	I
Y	Y	L	K	A	P	A	T	T	P	U	J	L	V
P	G	P	H	E	N	O	T	Y	P	E	U	E	E
E	O	G	S	R	N	S	O	U	F	C	C	Y	Y
M	U	F	C	H	O	M	O	Z	Y	G	O	U	S
K	S	G	H	R	T	C	G	J	E	W	P	P	D

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allele	dominant
gene	genotype
heterozygous	homozygous
phenotype	recessive