

Monohybrid Cross Punnett Squares

 Exit Quiz

I. Interpret the data below.

In fruit flies, the allele for long wings is dominant to the allele of short wings. Given the Punnett square, answer the questions that follow.

	W	w
?	Ww	Ww
?	Ww	ww

1. What do you call the parent fly whose genotype is shown above?
 - a) dominant
 - b) heterozygous
 - c) homozygous
 - d) recessive
2. Describe the phenotype of each parent.
 - a) both dominant
 - b) both recessive
 - c) one dominant and one recessive
 - d) not enough information is given
3. What is the genotype of each parent?
 - a) WW; Ww
 - b) Ww; Ww
 - c) Ww; ww
 - d) WW; WW

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4. Describe the phenotypes of the offspring.

- a) all long wings
- b) all short wings
- c) half long wings and half short wings
- d) mostly long wings

II. Examine the following Punnett squares and tell whether they are correct or not.

1. _____

	A	a
A	AA	Aa
A	AA	Aa

2. _____

	N	N
n	Nn	Nn
n	Nn	Nn

3. _____

	E	E
E	EE	Ee
e	Ee	Ee

4. _____

	M	m
m	Mm	mm
m	Mm	Mm

5. _____

	J	j
J	JJ	Jj
j	Jj	Jj

6. _____

	Y	y
Y	YY	yy
Y	YY	yy