Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

P.\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



**If the offspring has two different \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_for the same gene, what determines which trait is *expressed*, or shown?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

In fruit flies, the allele for red eyes (\_\_\_\_) is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of this fly would be

Rr or RR

**Each parent has two alleles but only passes one on to its offspring. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ determines which of the two alleles is passed on.**

\_\_\_\_ alleles for the eye color gene

Dad passes on \_\_\_\_\_

of his alleles for the gene

Mom passes on \_\_\_\_\_

of her alleles for the gene

Mom

\_\_\_\_\_alleles for the eye color gene

In fruit flies, the allele for white eyes (\_\_\_\_) is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of this fly can only be rr

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gets two
copies (two \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) for each gene, one from each parent.

Dad