

## Punnett Square Crosses

1. In fruit flies, a black body (B) is dominant, and a gray body (b) is recessive. Using a punnett square, describe the possible (percentage) offspring in the cross that follows:

a) A heterozygous black body fly was mated with a homozygous grey fly.

b) A homozygous black body fly was mated with a homozygous grey fly.

c) A heterozygous black body fly was mated with another heterozygous black body fly.

2. In guinea pigs, black coat colour (B) is dominant over brown (b). Work out the phenotype ratios (%) that result from the following crosses:

a) A heterozygous black and homozygous brown.

b) A pure bred black guinea pig and brown guinea pig.