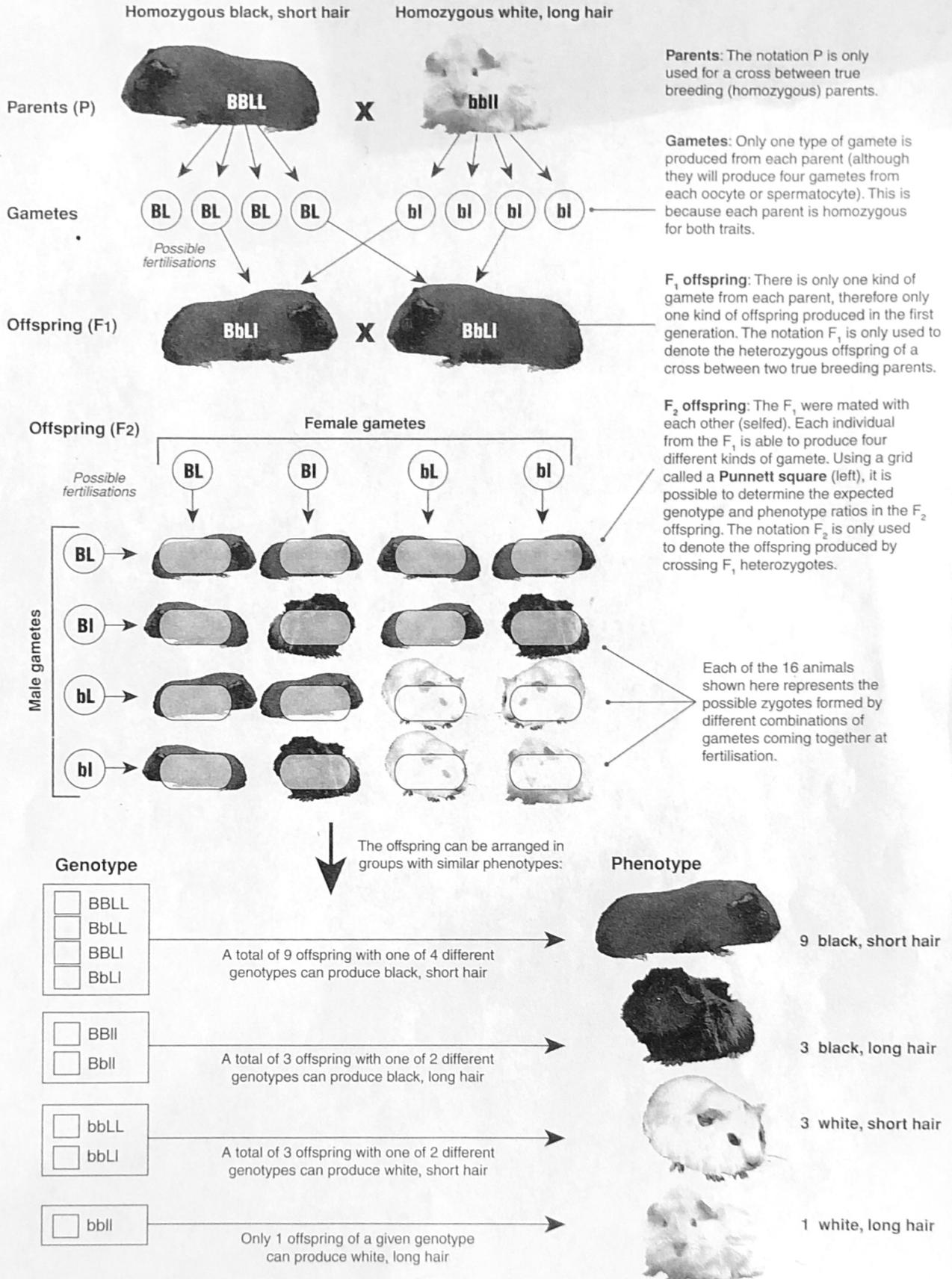


Dihybrid Cross

A cross (or mating) between two organisms where the inheritance patterns of **two genes** are studied is called a **dihybrid cross** (compared with the study of one gene in a monohybrid cross). There are a greater number of gamete types produced when two genes are considered (four types). Remember that the genes

described are being carried by separate chromosomes and are sorted independently of each other during meiosis (that is why you get four kinds of gamete). The two genes below control two unrelated characteristics, **hair color** and **coat length**. Black and short are dominant.



1. Complete the Punnett square above and use it to fill in the number of each genotype in the boxes (above left).