

Test Cross

- When an organism has the dominant phenotype, its genotype can be either heterozygous or homozygous dominant
 - ♦ (you can't tell by looking at it).
- ◆ In order to find out, do a test cross using an homozygous, recessive organism

Test Cross

- ◆In Dalmatian dogs, the gene for black spots is dominant to the gene for liver colored spots. If a breeder has a black spotted dog, how can she find out whether it is homozygous (BB) or heterozygous (Bb) spotted dog?
 - \bullet B = black spots and b = liver spots
- ◆ Mate the black spotted dog (B?) with a liver spotted dog(bb)