Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_

**Punnett Squares**

**Complete the Punnett squares based on the information in the pictures, and then answer the questions to the right of each Punnett square.**

**Gray fur**

**1. What percentage of the offspring will have a homozygous recessive genotype? \_\_\_\_\_\_\_\_\_\_**

**2. What will be the ratio of gray fur to white fur in the offspring? \_\_\_\_\_\_\_\_\_\_**

**White fur**

Gg × gg

TT × tt

**3. What percentage of the offspring will have a tall phenotype? \_\_\_\_\_\_\_\_\_\_**

**4. What percentage of the offspring will have a homozygous recessive genotype? \_\_\_\_\_\_\_\_\_\_**

**5. What percentage of the offspring will have white eyes? \_\_\_\_\_\_\_\_\_\_**

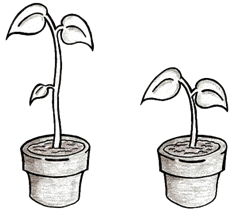
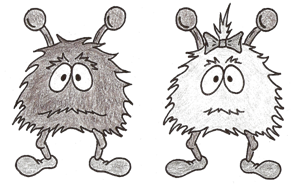
**6. What percentage of the offspring will have a heterozygous genotype? \_\_\_\_\_\_\_\_\_\_**

dd × Dd

**7. What percentage of the offspring will have a homozygous dominant genotype? \_\_\_\_\_\_\_\_\_\_**

**8. What will be the ratio of long beaks to short beaks in the offspring? \_\_\_\_\_\_\_\_\_\_**

Ll × ll

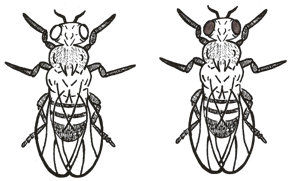


**Tall**

**Short**

**Dark eyes**

**White eyes**



**Short beak**

**Long beak**



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**9. What percentage of the offspring will have purple flowers as their phenotype? \_\_\_\_\_\_\_\_\_\_**

**10. What percentage of the offspring will have a heterozygous genotype? \_\_\_\_\_\_\_\_\_\_**

pp × PP

**Dark eyes**

**Dark eyes**

**11. What percentage of the offspring will have a heterozygous genotype? \_\_\_\_\_\_\_\_\_\_**

**12. What will the ratio of flies with dark eyes to white eyes be? \_\_\_\_\_\_\_\_\_\_**

Dd × Dd

**13. What percentage of the offspring will be short? \_\_\_\_\_\_\_\_\_\_**

**14. What percentage of the offspring will have a homozygous dominant genotype? \_\_\_\_\_\_\_\_\_\_**

TT × Tt

**Tall**

**Long beak**

**Long beak**

**15. What percentage of the offspring will have long beaks? \_\_\_\_\_\_\_\_\_\_**

**16. What will be the ratio of long beaks to short beaks in the offspring? \_\_\_\_\_\_\_\_\_\_**

Ll × Ll

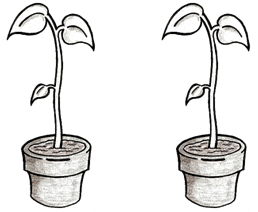
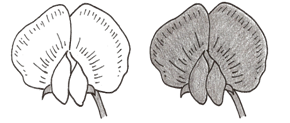
**Gray fur**

**White fur**

gg × Gg

**Purple flowers**

**White flowers**



**Tall**



**17. What percentage of the offspring will have the phenotype of gray hair? \_\_\_\_\_\_\_\_\_\_**

**18. What percentage of the offspring will have a homozygous recessive genotype? \_\_\_\_\_\_\_\_\_\_**

