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

# Independent Practice: Punnett Squares

Complete the table below using the information provided to the left, and then complete each of the Punnett squares and their accompanying questions.



Tt × Tt

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

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

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

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

LL × Ll

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

**6. What percentage of the offspring will have white eyes (dd)? \_\_\_\_\_\_\_\_\_\_**

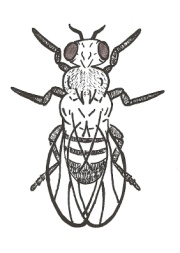
Dd × Dd



**Long beak**



**Dark eyes**

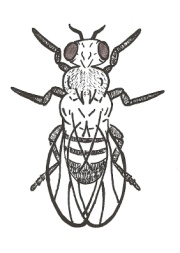


**Tall**

**Tall**

**Long beak**

**Dark eyes**



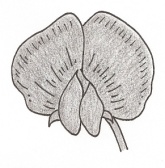
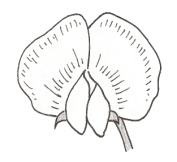
**7. What percentage of the offspring will have purple flowers as their phenotype? \_\_\_\_\_\_\_\_\_\_**

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

**White flowers**

**Purple flowers**

Pp × pp



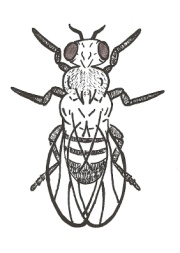
**White eyes**

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

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

**Dark eyes**

Dd × dd



**Tall**

**Tall**

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

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

Tt × Tt

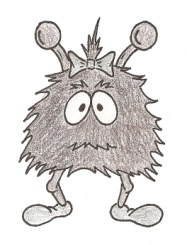
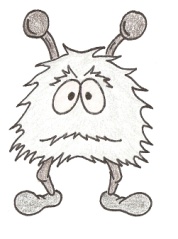
**13. What percentage of the offspring will have the phenotype of gray hair? \_\_\_\_\_\_\_\_\_\_**

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

**White fur**

**Gray fur**

GG × gg



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

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

**Short beak**

**Long beak**



Ll × ll

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