



Complete the following.

- 1. Complete the Punnett square for the monohybrid cross.
- 2. Complete the Punnett square for the dihybrid cross.
- 3. Circle the allele of the parent that is heterozygous for seed color in the monohybrid cross.
- 4. How does a monohybrid cross differ from a dihybrid cross?

5. In pea plants, is vellow or green seed color dominant?

6. In pea plants, are round or wrinkled seeds dominant?

7. Write the genotypes of the offspring that result from the monohybrid cross shown.

8. Write the phenotypes of the offspring that result from the monohybrid cross shown.

9. How many homozygous yellow offspring will result from the monohybrid cross?

- 10. How many heterozygous yellow offspring will result from the monohybrid cross?
- 11. How many of the offspring produced in the dihybrid cross will be homozygous tall?
- 12. How many of the offspring produced in the dihybrid cross will be heterozygous round?
- 13. Write the phenotypes that result from the dihybrid cross.

14. Explain the difference between a phenotype and a genotype.