

# PUNNET SQUARES PRACTICE

Directions: Complete each Punnett Square and answer the questions.

Flower color

a. Purple is dominant (P)

b. White is recessive (p)

C. A PP father and a PP mother


d. What genotype are the parents? Father: homozygous dominant Mother: homozygous dominant

e. What phenotype are the parents? Father: \_\_\_\_\_ Mother: \_\_\_\_\_

f. What phenotype are the offspring? \_\_\_\_\_ of the offspring are purple and \_\_\_\_\_ are white

Seed color

a. Yellow is dominant (Y)

b. Green is recessive (y)

c. A yy father and a yy mother


d. What genotype are the parents? Father: homozygous dominant Mother: homozygous dominant

e. What phenotype are the parents? Father: \_\_\_\_\_ Mother: \_\_\_\_\_

f. What phenotype are the offspring? \_\_\_\_\_ of the offspring are purple and \_\_\_\_\_ are green

Seed shape

a. Round is dominant (R)

b. Wrinkled is recessive (r)

C. An RR father and an rr mother


d. What genotype are the parents? Father: homozygous dominant Mother: homozygous dominant

e. What phenotype are the parents? Father: \_\_\_\_\_ Mother: \_\_\_\_\_

f. What phenotype are the offspring? \_\_\_\_\_ of the offspring are purple and \_\_\_\_\_ are wrinkled