Extra Credit ![C:\Users\arhuckab\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\TB6CSMJH\peas[1].jpg]()

Super Giant Humongous Punnett Square

Mendel’s Seven Pea Plants’ Traits …..

Height Dominant Tall T

 Recessive short t

Pea Shape Dominant Round R

 Recessive wrinkled r

Pea Color Dominant Yellow Y

Recessive green y

Pod Shape Dominant Inflated I

Recessive constricted i

Pod Color Dominant Green G

Recessive yellow g

Flower color Dominant Purple P

Recessive white p

Location of Dominant Axial A

 flower Recessive terminal a

Procedure

CROSS: Traits for Parent # 1 x Traits for Parent # 2

Height: homozygous dominant Height: heterozygous

Pea shape: heterozygous Pea shape: heterozygous

Pea color: homozygous recessive Pea color: homozygous recessive

Pod shape: homozygous dominant Pod shape: heterozygous

Pod color: heterozygous Pod color: homozygous dominant

Flower color: homozygous dominant Flower color: homozygous recessive

Location of flowers: heterozygous Location of flower: heterozygous

1. Identify the “plant parents” genotypes
2. Draw and complete a Punnett square
3. Identify all possible genotypes WITH percentages
4. Identify all possible phenotypes WITH percentages