

NAME \_\_\_\_\_

**PUNNETT SQUARE PRACTICE #1**

Use a Punnett Square to show the possible offspring from the crosses given and answer the questions:

<b>IN PEAS:</b>	<b>R = round</b>	<b>T = tall</b>	<b>Y = yellow peas</b>	<b>P = purple flowers</b>
	<b>r = wrinkled</b>	<b>t = short</b>	<b>y = green peas</b>	<b>p = white flowers</b>

**MAKING MONOHYBRID CROSSES:**

Use colors to circle the offspring with the same phenotype.


What is the genotype of a HOMOZYGOUS YELLOW SEED plant? = \_\_\_\_\_

What is the genotype of A HOMOZYGOUS GREEN SEED plant? = \_\_\_\_\_

What is the genotype of a HETEROZYGOUS YELLOW plant? = \_\_\_\_\_

Make a cross between a PURE YELLOW SEED parent and a PURE GREEN SEED parent.

**POSSIBLE OFFSPRING**  
**GENOTYPE**                      **PHENOTYPE**

\_\_\_\_\_

What is the probability an offspring will show the DOMINANT TRAIT (YELLOW SEEDS)? \_\_\_\_\_

What is the probability an offspring will show the RECESSIVE TRAIT (GREEN SEEDS)? \_\_\_\_\_

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**MAKING MONOHYBRID CROSSES:**

Use colors to circle the offspring with the same phenotype.


What is the genotype of a PURE PURPLE FLOWERED plant ? = \_\_\_\_\_

What is the genotype of a PURE WHITE FLOWERED plant? = \_\_\_\_\_

What is the genotype of a HYBRID PURPLE FLOWERED plant? = \_\_\_\_\_

Make a cross between a HOMOZYGOUS PURPLE FLOWERED plant and a HOMOZYGOUS WHITE FLOWERED plant.

**POSSIBLE OFFSPRING**  
**GENOTYPE**                      **PHENOTYPE**

\_\_\_\_\_

What is the probability an offspring will show the DOMINANT TRAIT (PURPLE FLOWERS)? \_\_\_\_\_

What is the probability an offspring will show the RECESSIVE TRAIT (WHITE FLOWERS)? \_\_\_\_\_