

NAME _____

PUNNETT SQUARE PRACTICE #1

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

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

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

_____ plant? = _____
_____ plant? = _____
_____ ED plant? = _____

_____ 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? = _____

_____ YGOUS WHITE FLOWERED

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

POSSIBLE OFFSPRING
GENOTYPE **PHENOTYPE**

_____ VERS)? _____
_____ ERS)? _____

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)**? _____