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
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)? _____