

Name: _____ Date: _____ Period: _____

Punnett Square Practice Worksheet

Directions: For the following Pairs of traits, conduct a Mendelian Monohybrid cross to determine the F1 Generations Genotype and Phenotype.

#1	B	b	#2	C	c
B			c		
b			c		

Results:

#1 Dom. Trait: B – Brown Hair

#1 Rec. Trait: b – blonde hair

#1 Phenotypic Ratio: _____

#1 Genotypic Ratio: _____

#2 Dom. Trait: C – Circular Flower

#2 Rec. Trait: c – square flower

#2 Phenotypic Ratio: _____

#2 Genotypic Ratio: _____

#3	R	r	#4	W	w
r			w		
r			w		

Results:

#3 Dom. Trait: R – Round Seed

#3 Rec. Trait: r – wrinkled seed

#3 Phenotypic Ratio: _____

#3 Genotypic Ratio: _____

#4 Dom. Trait: W – White Fur

#4 Rec. Trait: w – black fur

#4 Phenotypic Ratio: _____

#4 Genotypic Ratio: _____

#5	T	t	#6	D	d
t			D		
t			D		

Results:

#5 Dom. Trait: T – Tall Height

#5 Rec. Trait: t – short height

#5 Phenotypic Ratio: _____

#5 Genotypic Ratio: _____

#6 Dom. Trait: D – High Metabolism

#6 Rec. Trait: d – normal metabolism

#6 Phenotypic Ratio: _____

#6 Genotypic Ratio: _____