

Name: _____

Genetics Practice Problems

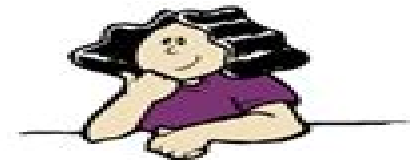
1. For each genotype below, indicate whether it is heterozygous (He) or homozygous (Ho)

AA Ho
Bb He
Cc He
Dd He

Ee He
ff Ho
GG Ho
HH Ho

Ii He
Jj He
kk Ho
Ll He

Mm He
nn Ho
OO Ho
Pp He



2. For each of the genotypes below determine what phenotypes would be possible.

Purple flowers are dominant to white

PP Purple
Pp Purple
pp White

Brown eyes are dominant to blue

BB Brown
Bb Brown
bb Blue

Round seeds are dominant to wrinkled

RR Round
Rr Round
rr Wrinkled

Bobtails are recessive (to long tails)

TT long tails
Tt long tails
tt bobtails

3. For each phenotype below, list the genotypes (remember to use the letter of the dominant trait)

Straight hair is dominant to curly

SS straight
Ss straight
ss curly

Tail spikes are dominant to plain tails

SS spikes
Ss spikes
ss plain



4. Set up the Punnett squares for each of the crosses listed below. Purple flowers are dominant to white.

Rr x rr

	r
Rr	rr
Rr	rr

Rr x Rr

RR	Rr
Rr	rr

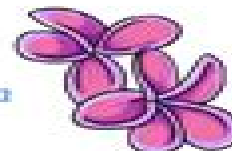
RR x Rr

RR	RR
RR	Rr

What percentage of the offspring will be round? _____

What percentage of the offspring will be round? _____

Practice with Crosses. Show all work!



5. A TT (tall) plant is crossed with a tt (short plant).

Genetic Problems Worksheet And Answers

EW Minium



Genetic Problems Worksheet And Answers:

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