Name: _____Period: ___

Incomplete Dominance

The size of a Biology student's bladder is an inherited trait. It is controlled by single gene that has two alleles that are incompletely dominant.

BB = Big Bladder **Bb = Medium Bladder** **bb = Small Bladder**

It also happens to be true that the propensity for turning in your homework is an X-linked trait.

$X^I X^I$ will turn in work on time **$X^i X^i$ will turn in work late**

1. Cross a Big bladder male with a medium bladder female. What are the expected geno/phenotypic ratios?

2. Cross a Big bladder male who turns in work late with a medium bladder female who in heterozygous for turning in work. What are the expected geno/phenotypic ratios?

3. Cross a Big bladder female who turns in work late with a medium bladder male who in turns in work on time. What are the expected geno/phenotypic ratios?

4. On the back: If a baby boy is a Medium Bladder late work turner inner. What are all of the possible combinations of parents that could have created him if we know that Mom has a Small bladder?