

Bio 111 Pre-Lab for Lab #12: Name _____

PTC II: Wrap-up TA & Sect. _____

1) Give the fragment lengths that you would expect to result from the PCR and restriction enzyme digestion described in the lab manual for individuals with each of the following genotypes. Also, give their phenotype as "Taster" or "non-Taster".

Given:

<u>Allele</u>	<u>Contribution to phenotype</u>
B	Taster (dominant)
b	non-Taster (recessive)

<u>Genotype</u>	<u>Bands Present</u>	<u>Phenotype</u>
BB		
Bb		
bb		

2) What DNA sequence is recognized by the HaeIII enzyme?

3) In the space below, give 3 to 5 short (~1 sentence each) bullet points describing, *in your own words*, what you will be doing in the lab today. There are a wide range of full-credit answers here; we will grade this as a 1-point check off.

