

Bio 111 Pre-Lab for Lab #11: Name \_\_\_\_\_  
Aipotu II. TA & Sect. \_\_\_\_\_

1) Give one hypothesis about the relationship between protein sequence and protein color that you tested in the *Aipotu I: Genetics & Biochemistry* lab. (2 pts)

2) Give the genotype of each of the four starting strains of Aipotian flowers that you determined in the last Aipotu lab session (2 pts):

- Green 1
- Green 2
- Red
- White

3) Briefly describe a strategy that you would employ to produce a pure-breeding purple flower using Aipotu. This need not necessarily work and you do not need to give specific DNA changes, but it must be reasonable. (2 pts)

4) Since today's lab has many parts, this question will be worth 4 points. On the back of this sheet, give 6 to 10 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 4-point check off.

