1. A tall green pea plant (TTGg) is crossed with a tall green pea plant (TtGg).

**DO NOW: Dihybrid Practice**

1. What are the possible alleles that can be passed from the first parent?
2. What are the possible alleles that can be passed from the second parent?
3. Show me the cross…
4. What are the possible phenotypes?
5. What are the possible genotypes?
6. In squash, a white fruit color is dominant over a yellow fruit color. And disk shaped fruit are dominant over sphere shaped fruit.

As a farmer, you setup a farm stand and try to make the maximum profit out of your squash. You can sell a white disk squash for $1.00 a lb, a white round squash for $.50 a pound, a yellow disk squash for $2.99 a pound and a yellow round squash for $1.75 a pound.

Which of the three following squash would you breed to make the most money? Prove it with data!

* A white disk squash (AaQq)
* A yellow disk squash (aaQq)
* A white round squash (Aaqq)