

We're Expecting...

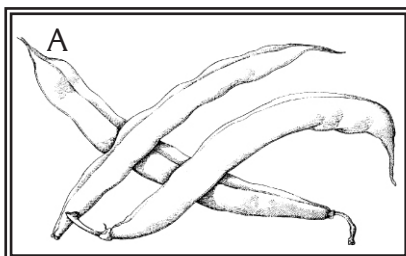
Make a prediction based on the information given below, and justify your answer; you may draw a picture to help explain:



1. What would happen if your popcorn plant grew to maturity, flowered, self-pollinated, went to seed, and you took the seeds and planted them?
Would that seedling be likely to look like the seedling you have observed, or would it be likely to look different?
2. What would happen if your popcorn plant grew to maturity, flowered, was cross-pollinated by a popcorn plant from the person sitting next to you, and you took those seeds and planted them?
Would that seedling look more like the seedling you have observed, or less like the seedling you have observed?
3. What would happen if your Indian corn and popcorn plants grew to maturity, flowered, cross-pollinated, and you took the seeds and planted them?
Would that seedling look more or less like the seedlings you have observed?

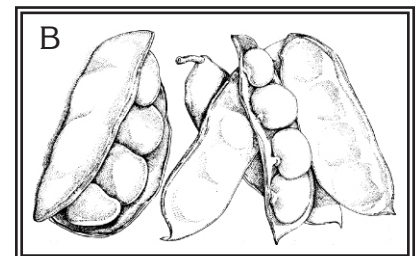
The longer shelled beans from picture A are a dominant trait, but the yellow color is recessive. The green color of the beans from picture B are a dominant trait, but the short shells are recessive. Use this information to help you predict what the offspring will look like if the following scenario occurs.

4. If A and B cross-pollinate each other, predict what the offspring may look like by drawing a picture of it in X.
5. If A self-pollinates, predict what the offspring may look like by drawing a picture of it in Y.



Yellow Pods

X	Y
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Green Pods