

**Virtual Lab: Dependent and Independent Variables  
Worksheet**

1. ECB refers to:
  - a. A genetically engineered plant that is resistant to insect pests
  - b. Edible corn byproducts
  - c. An insect pest that reduces corn yield
  - d. European corn borer
  - e. c and d
  
2. How many days are required for a corn seed to become a mature plant with maximum weight kernels ready to be harvested?
  - a. about 23
  - b. about 65
  - c. about 140
  - d. about 180
  
3. "BT Corn" refers to corn that:
  - a. Has been infested with insect pests
  - b. Has been infected with bacteria
  - c. Is resistant to ECB
  - d. Is not affected by pesticides
  
4. BT is:
  - a. A stomach poison produced by bacteria
  - b. A genetically engineered corn product
  - c. A bacterium carried by the European corn borer
  - d. A bacterium that has a gene for producing Cry proteins
  
5. Creation of BT corn requires genetic material from all of the following except:
  - a. European corn borer
  - b. *Bacillus thuringiensis*
  - c. a corn plant
  - d. all of the above contribute genetic material to the production of BT corn