

Microbial Life: Dependence and Independence Variables
Worksheet

1. **ECB** refers to **E**
 - a. A genetically engineered plant that is resistant to insect pests.
 - b. **Entomocera** bacterium.
 - c. The insect pest that infects corn plants.
 - d. **Entomocera** corn borer.
 - e. **a and d**
2. How many days are required for a corn seedling to become a mature plant with maximum weight kernels ready to be harvested? **C**
 - a. about 27
 - b. about 60
 - c. **about 100**
 - d. about 200
3. "BT Corn" refers to corn that **B**
 - a. Has been infected with insect pests.
 - b. **Has been infected with bacteria**
 - c. Is resistant to ECB.
 - d. Is not affected by pesticides.
4. BT is **D**
 - a. A natural protein produced by bacteria.
 - b. A genetically engineered corn product.
 - c. A bacterium carried by the *Entomocera* corn borer.
 - d. **A bacterium that has a gene for producing a toxic protein**
5. Creation of BT corn requires genetic material from all of the following except **A**
 - a. **Entomocera** corn borer.
 - b. *Bacillus thuringiensis*
 - c. a corn plant
 - d. all of the above contribute genetic material to the production of BT corn.