



Soybeans: From Ballast to Biotech Knowledge Check: What Do You Know?

Circle the correct answer(s):

1. Biotechnology is:
 - A) using nuclear power to make life from nonliving things such as rocks and soil
 - B) using microorganisms, plant cells, or other living things to "make" things (change living things)
 - C) a rare species of owl
 - D) a technique that uses lightning bolts to create new life
2. Which things below are made using biotechnology?
 - A) pesticide-resistant soybeans
 - B) cheese
 - C) penicillin
 - D) delayed-ripening tomatoes
 - E) all of the above
3. Genetic engineering is:
 - A) changing things by changing their genes
 - B) the deliberate transfer of genes between and among species by humans
 - C) changing stones into living things
 - D) dependent on finding and moving DNA
4. To make a soybean that produces more beans, we could:
 - A) selectively breed soybeans that produce a lot of soybeans with each other
 - B) use glue to stick many soybeans onto a plant
 - C) feed a plant lots of fertilizer and hope it will produce lots of soybeans
 - D) assuming we could locate and isolate the genes that are responsible for soybean formation, transfer them to our plant
5. Biotechnology began:
 - A) about 5 years ago
 - B) about 35 years ago
 - C) about 135 years ago
 - D) more than 10,000 years ago
6. Genetic engineering techniques have been used to selectively move genes between living organisms:
 - A) for about 5,000 years
 - B) for about 100 years
 - C) for about 30 years
 - D) haven't been developed yet
7. How can you find the answers to this Knowledge Check?
 - A) Watch the news on TV
 - B) Research online
 - C) Ask a farmer
 - D) Ask a science teacher
 - E) All of the above