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

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