



Math



Literacy

AG-VENTURE WITH CORN

Use the IAITC Corn Ag Mag to help you work through this worksheet!

Match the supply chain step with its explanation and then put the steps in order!

- A. Pollinating Farmers use machines called combines to separate the kernel from the ears.
- B. Transportation Pollen from the tassel lands on the silks on the ear to eventually form the kernels.
- C. Harvesting A tractor pulls a piece of machinery that drops kernels into the ground.
- D. Planting Corn is loaded on semi-trucks, trains, and barges and taken all over the U.S. and the world.
- E. Storing After 120 days, the corn is ready for harvest.
- F. Processing After the corn is harvested, it is taken to a grain elevator where it is prepared for sale.
- G. Maturing The corn is used for many products, including food, fuel, and animal feed.

Using evidence from the text, explain why corn bioplastic is a good solution to our trash problem.

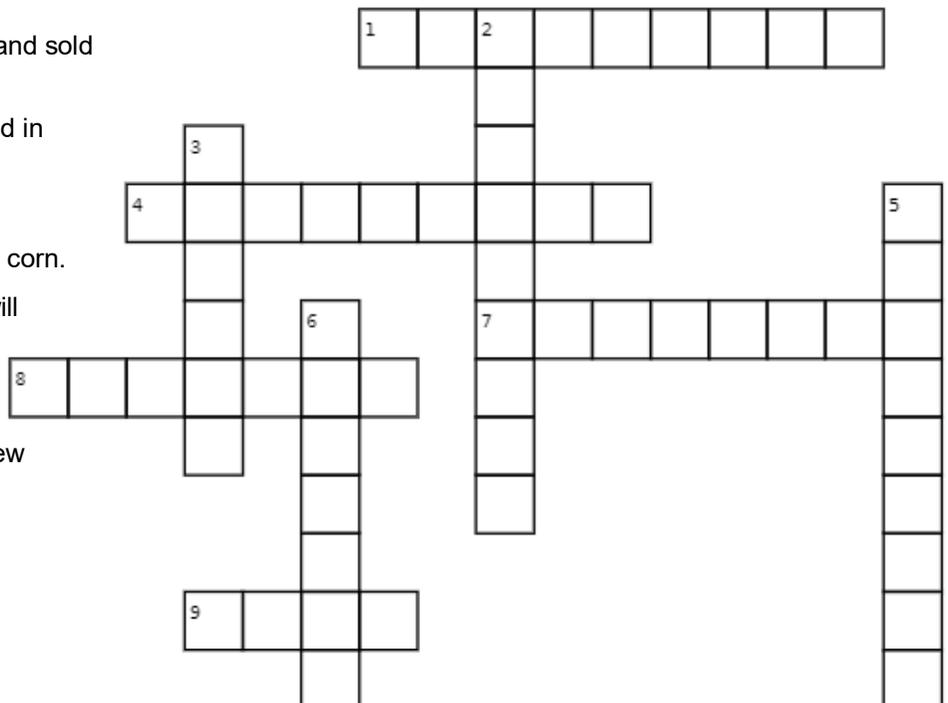
Supply Chain Order: _____

ACROSS

- 1. The type of corn grown in gardens and sold at farmers markets.
- 4. Also known as dent corn and is used in over 4,000 different products.
- 7. The outside cover of the seed.
- 8. A high performance fuel made from corn.
- 9. The only living part of a seed that will eventually become the new plant.

DOWN

- 2. Holds the energy and protein the new plant will use to grow.
- 3. The location where the kernel was attached to the cob.
- 5. Selling extra products, like corn, to other countries.
- 6. The official Illinois snack food.



TEACHER RESOURCES

ANSWER KEY

Match the supply chain step with its explanation and then number the steps in order.

- | | | |
|-------------------|------------------|--|
| A. Pollinating | _____ | Farmers use machines called combines to separate the kernel for the ears. |
| B. Transportation | _____ | Pollen from the tassel lands on the silks on the ear to eventually form the kernels. |
| C. Harvesting | _____ | A tractor pulls a piece of machinery that drops kernels into the ground. |
| D. Planting | _____ | Corn is loaded on semi-trucks, trains, and barges and taken all over the U.S. and the world. |
| E. Storing | _____ | After 120 days, the corn is ready for harvest. |
| F. Processing | _____ | After the corn is harvested, it is taken to a grain elevator where it is prepared for sale. |
| G. Maturing | _____ | The corn is used for many products, including food, fuel, and animal feed. |

Supply Chain Order: D A G C E B F

Using evidence from the text, explain why corn bioplastic is a good solution to our trash problem.

Answers will vary but should mention that plastics are currently made from petroleum, a non-renewable resource, that takes centuries to break down. Corn bioplastic is a renewable resource and is biodegradable, breaking down in months instead of centuries.

ACROSS

- The type of corn that is grown in gardens and sold at farmer's markets.
- Also known as dent corn and is used in over 4,000 different products.
- The outside cover of the seed.
- A high performance fuel made from corn.
- The only living part of a seed that will eventually become the new plant.

DOWN

- Holds the energy and protein the new plant will use to grow.
- The location where the kernel was attached to the cob.
- Selling extra products, like corn, to other countries.
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