

## Corn Ag Mag - Vocabulary

**Directions:** Read each item. Choose the word that would best complete the sentence.

1

Corn plastic, unlike Styrofoam, is \_\_\_\_\_.

- A Biodegradable
- B Expensive
- C Hard to make
- D None of the above

2

One \_\_\_\_\_ of corn equals 56 pounds.

- A Quart
- B Pint
- C Ton
- D Bushel

3

\_\_\_\_\_ is a high performance fuel made from corn that is good for our environment and a renewable resource.

- A Propane
- B Ethanol
- C Gasoline
- D Firewood

4

\_\_\_\_\_ is made from crude oil, which is made from plants that died millions of years ago, and is not renewable in our lifetime.

- A Propane
- B Ethanol
- C Gasoline
- D Firewood

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5

In a seed, the part that contains all of the genetics and becomes the new plant is the \_\_\_\_\_.

- A Endosperm
- B Pericarp
- C Germ
- D Tip cap

6

The \_\_\_\_\_ of the seed is full of starch and is used most in corn processing.

- A Endosperm
- B Pericarp
- C Germ
- D Tip cap

7

While attached to the cob, the kernel takes in water and nutrients from the \_\_\_\_\_.

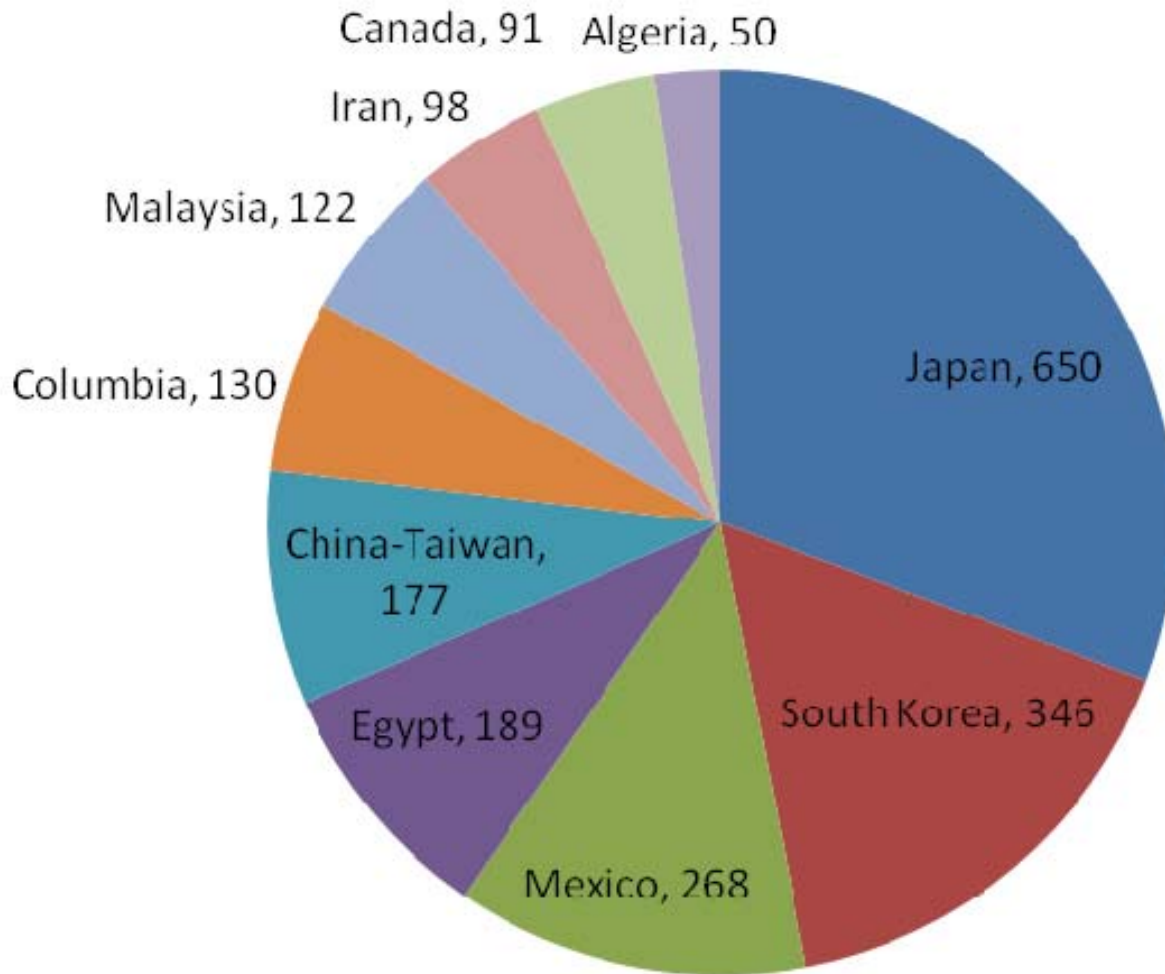
- A Germ
- B Tip cap
- C Pericarp
- D Endosperm

8

The outside cover of the seed is called the \_\_\_\_\_.

- A Germ
- B Tip cap
- C Pericarp
- D Endosperm

## Corn Ag Mag - Math - Percentages



Leading U.S. Corn Export Markets (million bushels)

1

What percentage of the 2121 million bushels of corn grown in the U.S. is exported to Canada?

- A 40 %
- B 4 %
- C 14 %
- D .04 %

2

Which country imports the most U.S. corn?

- A South Korea
- B Japan
- C Egypt
- D Canada

## Corn Ag Mag - Math - Percentages

3

Which country buys more corn than Iran but less corn than Columbia?

- A Canada
- B Algeria
- C Malaysia
- D Egypt

4

How many million bushels of corn do Mexico and Algeria buy from the U.S. together?

- A 318 million bushels
- B 359 million bushels
- C 457 million bushels
- D 268 million bushels

5

What percentage of corn do Columbia, Malaysia, and Iran buy together from the U.S.?

- A 16.5 %
- B 1 %
- C 10 %
- D 50 %

6

Which country buys the least amount of corn from the U.S.?

- A Canada
- B South Korea
- C China-Taiwan
- D Algeria

7

What percentage of the total million bushels of corn exported by the U.S. are exported to Iran?

- A 64%
- B 46%
- C 4.6 %
- D 6.4%

8

What percentage of corn do Canada, Egypt, and Japan buy together from the U.S.?

- A 59.5 %
- B 43.8 %
- C 62.3 %
- D 18.6 %

## Corn Ag Mag - Reading Passage

### *Anna's Corn*

*By Barbara Santucci*

Anna and Grandpa walked down the gravel road from the farmhouse to the cornfield. Autumn leaves swirled around their feet. Anna's walking stick matched the tap-step pace of Grandpa's cane.

"Listen to the corn, Anna," Grandpa said. "It makes its own kind of music."

"That's silly, Grandpa. Corn doesn't make music."

"Oh, yes, it does. But the wind has to be just right."

When they reached the field, Grandpa set his cane down.

"Cup your hand behind your ear, like this," he said, showing Anna. "And be very still."

Anna pulled herself up tall and stood as still as the scarecrow staked in the field. She cupped her hand behind her ear like Grandpa had shown her.

"I hear the wind," she said. "But I don't hear the music."

"Be patient, Anna."

As they stood side by side, a sudden gust of wind breathed through the dried corn stalks. Anna heard a whisper that grew until a song formed. A raspy song, like Grandpa's voice.

"I hear it!" Anna shouted. "It crackles just like you."

Grandpa laughed and hugged her close to him. Then he reached over and snapped a cob from its stalk. He peeled the husk back, picked off a few kernels, and handed them to Anna.

"These are for you to plant next spring. You can store them in my leather pouch until then." He loosened the strings of the little pouch he took out of his pocket.

"Will they be my corn, Grandpa?" Anna asked, dropping the seeds one by one into the pouch.

"Yes, they will be Anna's corn."

## Corn Ag Mag - Reading Passage

**Directions:** Read each question and choose the best answer.

1

How did Anna probably feel about being able to hear the music the corn was making?

- A Sad
- B Excited
- C Mad
- D Frustrated

2

Anna and Grandpa hear the wind rustle through the corn. Which of these other sounds would they most likely hear on the farm.?

- A Traffic sounds
- B Planes landing
- C A tractor plowing
- D Police sirens

3

What lesson did Anna probably learn from her Grandpa?

- A Corn can talk
- B Walking is exhausting
- C Planting corn is easy
- D Take time to listen

4

Briefly describe a time when it was important to stop and listen. Why was it important? What were you missing by not listening?

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### Extended Response

Illinois corn is used in many products. Explain how the corn grown in Illinois is used around the world. Be sure to discuss the ways corn is used in everyday products we may not even think about.