

Grade 4 Language
Corn

Student Name: _____

Class: _____

Date: _____

Instructions: **Read each question carefully and circle the correct answer.**

1. Fill in the blank.

Corn plastic, unlike styrofoam, is _____.

- A. biodegradable
- B. expensive
- C. hard to make
- D. none of the above

2. Fill in the blank.

One _____ of corn weighs 56 pounds.

- A. quart
- B. pint
- C. ton
- D. bushel

3. Fill in the blank.

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

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

4. Fill in the blank.

_____ 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

5. Fill in the blank.

The 12 major corn growing states are known as _____.

- A. the Corn Crib
- B. the Corn Belt
- C. the Corn Cob
- D. the Grain Bin

6. Fill in the blank.

A large, flat-bottomed boat used to transport goods down a river is called a _____.

- A. jon boat
- B. pontoon
- C. barge
- D. deck boat

7. Fill in the blank.

Changing field corn into different useable products is known as _____.

- A. milling
- B. processing
- C. shucking
- D. grinding

Grade 4 Writing
Corn

Student Name: _____

Class: _____

Date: _____

Instructions: **Read the question carefully and write your answer below.**

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. Use your own knowledge along with information from other resources to support your answer.

Grade 4 Science
Corn

Student Name: _____

Class: _____

Date: _____

Instructions: **Read each question carefully and circle the correct answer.**

1. Which word does ***not*** describe ethanol?

- A. renewable
- B. irresponsible
- C. biodegradable
- D. high-performance

2. What word most closely describes 'air pollutant emissions'?

- A. fumes
- B. plastic
- C. population
- D. fungus

3. Fill in the blank.

Ethanol that is used in vehicles is _____ with gasoline.

- A. mixed
- B. invented
- C. mined
- D. biodegradable

4. Fill in the blank.

The animal feed DDGs (Distillers Dried Grains) is a _____ of ethanol production.

- A. gene
- B. bushel
- C. by-product
- D. gluten

5. Fill in the blank.

_____ are used for transporting corn down a river.

- A. Combines
- B. Semi trucks
- C. Freight trains
- D. Barges

6. Fill in the blank.

Robert Reid stumbled upon a new breeding method where his son bred 2 different types of corn. This resulted in a new type of corn called a _____.

- A. trait
- B. gene
- C. hybrid
- D. flint

7. The typical growing period for corn is around 120 days. This is closest to which of the following?

- A. 4 weeks
- B. 4 months
- C. 8 months
- D. one year

8. How many years did it take Coca-Cola and PepsiCo to approve the use of high fructose corn syrup after it was first produced for commercial use?

- A. 1 year
- B. 5 years
- C. 16 years
- D. 41 years

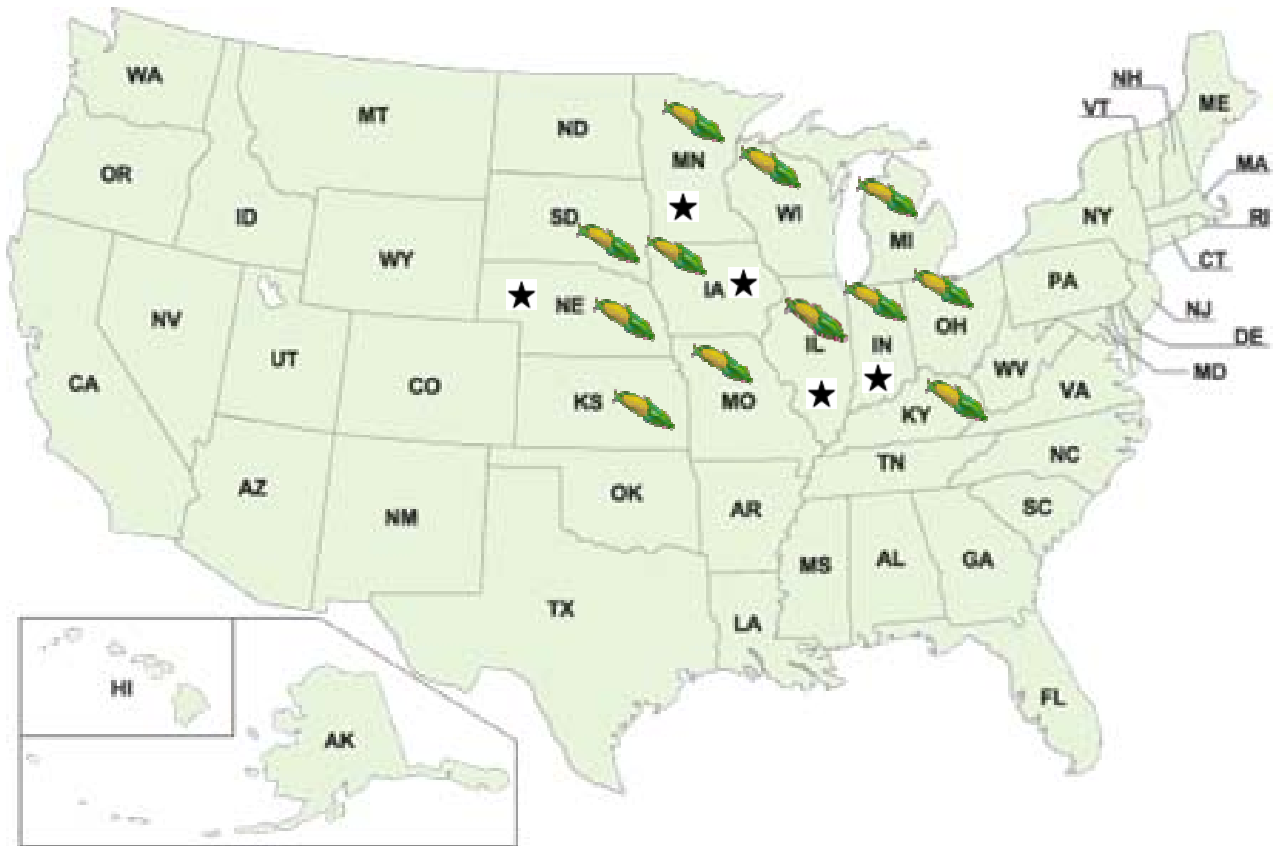
Grade 4 Social Studies
Corn

Student Name: _____

Class: _____

Date: _____

Instructions: **Read each question carefully and circle the correct answer.**



Corn Belt States

★ Major Corn-Growing States Producing Over 62% of the Corn Grown in the U.S.

1. According to the map, which of these states is not in the Corn Belt?

- A. Missouri
- B. Michigan
- C. Minnesota
- D. Mississippi

2. According to the map from question 1, how many states account for over 62% of the corn grown in the United States?
- A. 10
 - B. 12
 - C. 4
 - D. 5
3. Fill in the blank.
- Using the map from question 1, which Corn Belt state comes next alphabetically in the following sequence? Indiana, Minnesota, _____
- A. Illinois
 - B. Michigan
 - C. Ohio
 - D. Missouri
4. Which of these events occurred first?
- A. President Nixon signed the Agriculture and Consumer Protection Act.
 - B. Coca-Cola and PepsiCo approved replacement of sugar by high-fructose corn syrup.
 - C. Monsanto introduced the first genetically altered corn seeds.
 - D. The Great Depression
5. What percentage of U.S. corn is produced on family-owned farms?
- A. 40%
 - B. 50%
 - C. 90%
 - D. 100%
6. During 2012, much of the Corn Belt suffered a drought. When comparing statistics from 2011 to 2012 what do you expect to happen to the number of corn bushels produced?
- A. increase
 - B. decrease
 - C. stay the same
 - D. unable to predict

Grade 4 Math
Corn

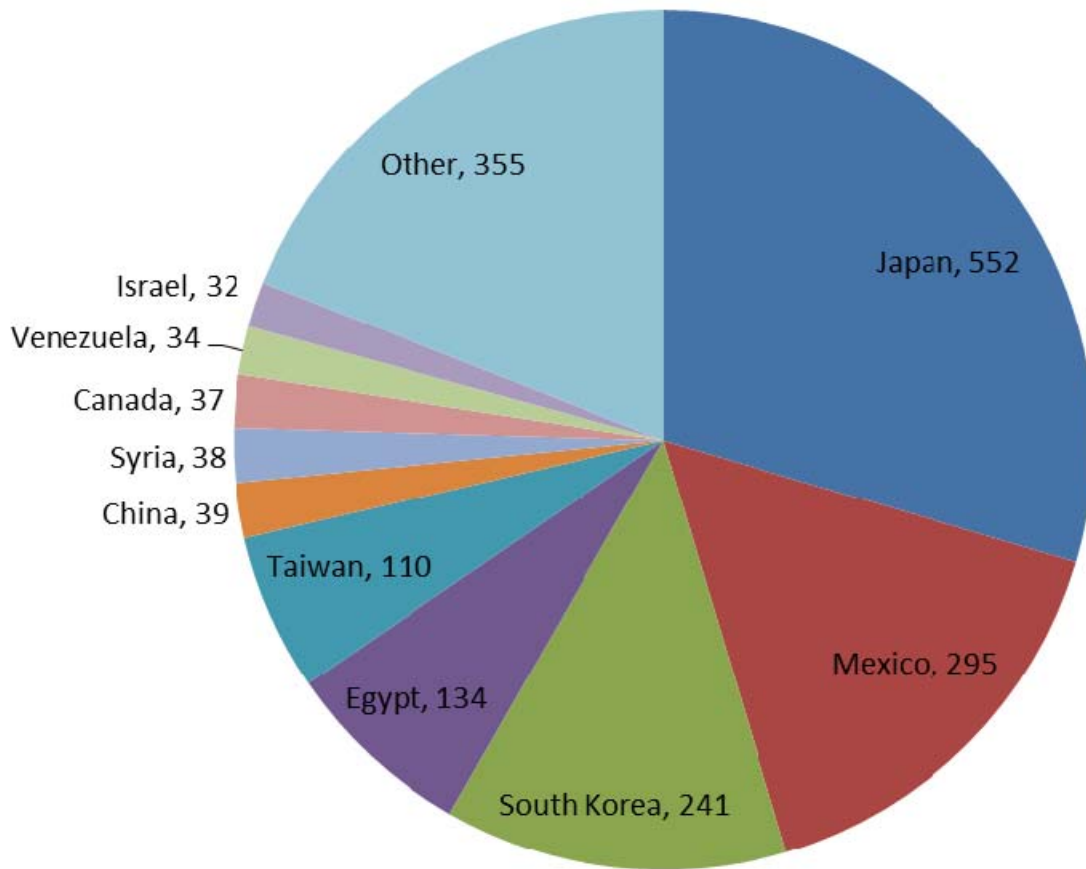
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Instructions: Using the chart below, read each question carefully and circle the correct answer.

Leading U.S. Corn Export Market
1,867 Million Bushels Total



1. What percentage of the 1,867 million bushels of corn grown in the U.S. is exported to Canada?
- A. 20%
 - B. 2%
 - C. 12%
 - D. .02%

2. Which country imports the most U.S. corn?
 - A. Mexico
 - B. Egypt
 - C. Japan
 - D. South Korea

3. Which country buys more corn than Israel but less corn than Canada?
 - A. Taiwan
 - B. Venezuela
 - C. China
 - D. Syria

4. How many million bushels of corn do Mexico and Venezuela buy from the U.S. together?
 - A. 229 million bushels
 - B. 359 million bushels
 - C. 327 million bushels
 - D. 329 million bushels

5. What percentage of corn do Canada, Venezuela and Israel buy together from the United States?
 - A. 55%
 - B. .55%
 - C. 5.5%
 - D. .05%

6. Which country buys the least amount of corn from the United States?
 - A. China
 - B. Egypt
 - C. Mexico
 - D. Israel

Answer Key:

Language

1. A. biodegradable
2. D. bushel
3. B. Ethanol
4. C. Gasoline
5. B. The Corn Belt
6. C. barge
7. B. processing

Science

1. B. irresponsible
2. A. fumes
3. A. mixed
4. C. by-Product
5. D. Barges
6. C. hybrid
7. B. 4 months
8. C. 16 years

Social Studies

1. D. Mississippi
2. D. 5
3. D. Missouri
4. D. The Great Depression
5. C. 90%
6. B. decrease

Math

1. B. 2%
2. C. Japan
3. B. Venezuela
4. D. 329 million bushels
5. C. 5.5%
6. D. Israel