

Grade 4 Language
Soybean

Student Name: _____

Class: _____

Date: _____

Instructions: **Read each question carefully and circle the correct that best completes each sentence.**

1. Fill in the blank.

The main root of a plant that grows downward from the radicle is the _____.

- A. taproot
- B. cotyledon
- C. lateral root
- D. embryo

2. Fill in the blank.

The _____ is the outside cover that protects the seed.

- A. hilum
- B. embryo
- C. seed coat
- D. trifoliate

3. Fill in the blank.

The brown spot on a soybean is called the _____.

- A. embryo
- B. radicle
- C. cotyledon
- D. hilum

4. Fill in the blank.

The _____ is the lower part of the embryo.

- A. radicle
- B. embryo
- C. cotyledon
- D. hilum

5. Fill in the blank.

Leaves that grow in groups of 3 like those of the soybean plant are called _____.

- A. taproots
- B. lateral roots
- C. cotyledons
- D. trifoliate

6. Fill in the blank.

The part of a seed that stores food is the _____.

- A. embryo
- B. cotyledon
- C. radicle
- D. hilum

7. Fill in the blank.

The _____ is the part of a seed that develops into a new plant.

- A. radicle
- B. embryo
- C. cotyledon
- D. seed coat

Grade 4 Writing
Soybean

Student Name: _____

Class: _____

Date: _____

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

Extended Response

Soybeans have many different uses in today's society. Explain how the use of soybeans has evolved since George Washington Carver studied them. Be sure to include your own experiences along with information from other sources.

Grade 4 Science
Soybean

Student Name: _____

Class: _____

Date: _____

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

1. Which of the following is ***not*** a part of the soybean seed?

- A. cotyledon
- B. embryo
- C. legume
- D. seed coat

2. Fill in the blank.

A variety of plants that has been created specifically for cultivation are called _____.

- A. houseplants
- B. herbivores
- C. cultivars
- D. nodules

3. Soybeans are legumes. Which of the following plants are ***not*** legumes?

- A. clover
- B. corn
- C. peanuts
- D. alfalfa

4. A mature soybean reaches a height of about 1 meter. What is the closest comparison to 1 meter in height?

- A. a newborn baby
- B. a kindergarten student
- C. a 40 year old man
- D. a NBA basketball player

5. Fill in the blank.

Soybeans reach maturity in 120 days. That's closest to _____.

- A. one week
- B. one month
- C. four months
- D. one year

6. Soybeans help add nitrogen to the soil. What part of the plant aides in adding nitrogen to the soil?

- A. nodules
- B. seed
- C. stem
- D. leaflet

7. Fill in the blank.

Soybean cyst nematodes are small plant _____.

- A. earthworms
- B. flatworms
- C. tapeworms
- D. roundworms

8. Fill in the blank.

Aquatic plants are plants that grow in the _____.

- A. Midwest
- B. water
- C. atmosphere
- D. wild

Grade 4 Social Studies
Soybean

Student Name: _____

Class: _____

Date: _____

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

1. Soybeans grow in over 44 states. Using the map in the reader, what mountain range is closest to the western border?
 - A. Appalachian
 - B. Alps
 - C. Pyrenes
 - D. Rockies

2. What mountain range is closest to the eastern border?
 - A. Appalachian
 - B. Alps
 - C. Pyrenes
 - D. Rockies

3. Soybean-based crayons were developed in which state?
 - A. Illinois
 - B. Indiana
 - C. Minnesota
 - D. Nebraska

4. George Washington Carver began studying soybeans at the Tuskegee Institute. Tuskegee is located in which state?
 - A. Alabama
 - B. Louisiana
 - C. Texas
 - D. Iowa

5. Fill in the blank.

In the 1920s, P.H. Dorset and William Morse traveled to _____ to send over 10,000 varieties of soybeans back to the United States.

- A. Africa
- B. Asia
- C. Australia
- D. Europe

6. Which group accounts for the most usage of soybean meal?

- A. swine, beef, dairy
- B. poultry and petfood
- C. dairy, petfood, other
- D. swine, beef, petfood, other

7. What group represents the most money earned from soybean exports?

- A. Mexico and Thailand
- B. Japan and Indonesia
- C. Japan and Taiwan
- D. all others

8. Which of the following is **not** true about Biodiesel?

- A. It is clean burning.
- B. It is renewable.
- C. It contains petroleum.
- D. It creates local jobs.

Grade 4 Math
Soybean

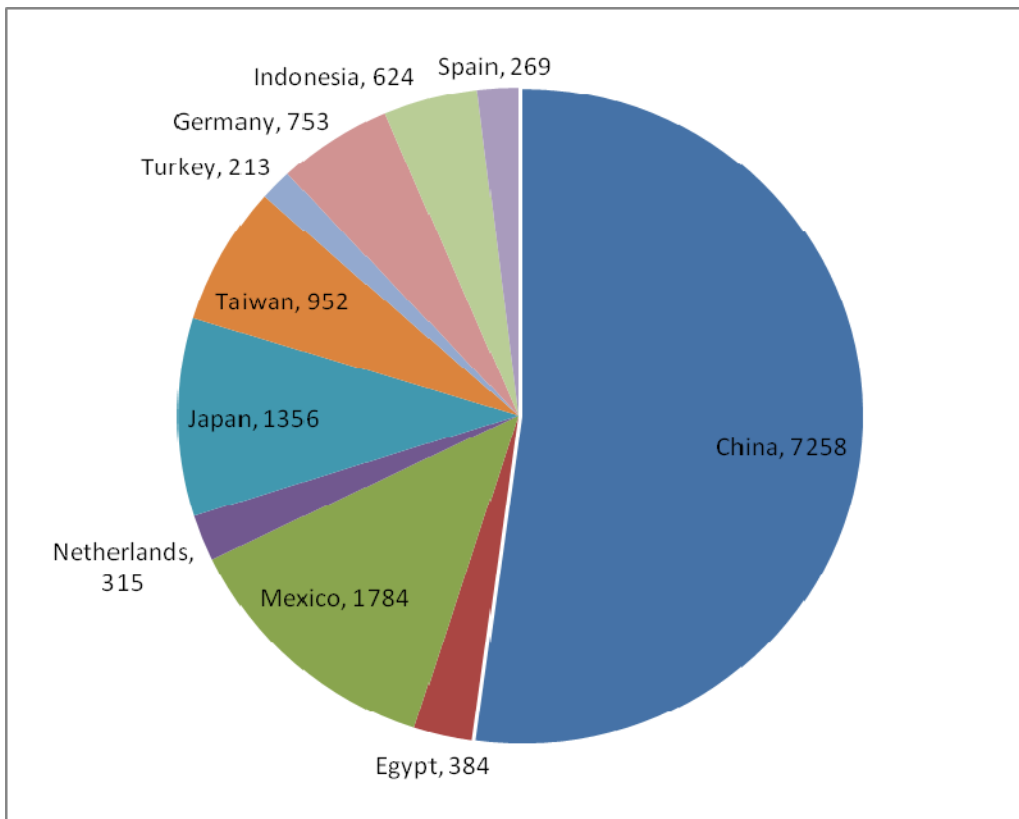
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Instructions: **Read each question carefully and circle the correct answer.**

Top 10 U.S. Soybean Export Customers (million dollars)



from 2008 soystats.com

1. Which country spent the most amount of money on soybean exports from the U.S. in 2008?
 - A. Turkey
 - B. Egypt
 - C. China
 - D. Japan

2. How much did Egypt, Taiwan and Mexico spend on soybean exports from the U.S. in 2008?
- A. \$3,020 million
 - B. \$1,761 million
 - C. \$797 million
 - D. \$2,426 million
3. How much total money did the U.S. make from the top 10 soybean export customers in 2008?
- A. \$13,708 million
 - B. \$13,908 million
 - C. \$14,608 million
 - D. \$15,708 million
4. How much did China, Japan and Germany spend on U.S. soybean exports in 2008?
- A. \$9,123 million
 - B. \$8,632 million
 - C. \$10,398 million
 - D. \$9,367 million
5. Which country spent closest to \$1,000 million on soybean exports, without going over?
- A. Japan
 - B. Germany
 - C. Taiwan
 - D. Turkey
6. Which country spent close to twice the amount of Egypt on soybean exports?
- A. Spain
 - B. Germany
 - C. Turkey
 - D. Netherlands

Answer Key:

Language

1. A. taproot
2. C. seed coat
3. D. hilum
4. A. radicle
5. D. trifoliates
6. B. cotyledon
7. B. embryo

Science

1. C. legume
2. C. cultivars
3. B. corn
4. B. a kindergarten student
5. C. four months
6. A. nodules
7. D. roundworms
8. B. water

Social Studies

1. D. Rockies
2. A. Appalachian
3. B. Indiana
4. A. Alabama
5. B. Asia
6. B. poultry and petfood
7. A. Mexico and Thailand
8. C. It contains petroleum.

Math

1. C. China
2. A. \$3,020 million
3. B. \$13,908 million
4. D. \$9,367 million
5. C. Taiwan
6. B. Germany