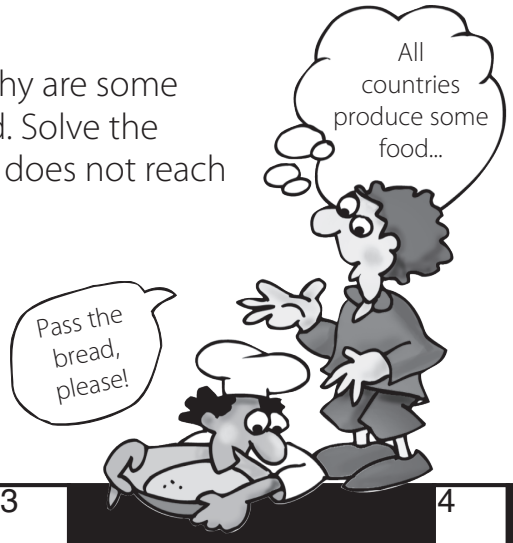
Agriculture in a Hungry World

Why Are They Hungry?

There is enough food to feed everyone in the world. So why are some people starving? They simply can't get the food they need. Solve the crossword puzzle and you'll see some of the reasons food does not reach people who need it in many parts of the world.

List some places you've been hearing about in the news where people suffer from hunger. What are some reasons their needs are not met?



ACROSS

5 Reliable ways of moving things from place to place

10 Poor growing season; _____ failure

12 Too little rain to grow crops

13 Rotting and molding

DOWN

1 Robbing

2 Fighting in or among nations

3 Leaders of a country

4 Too little money

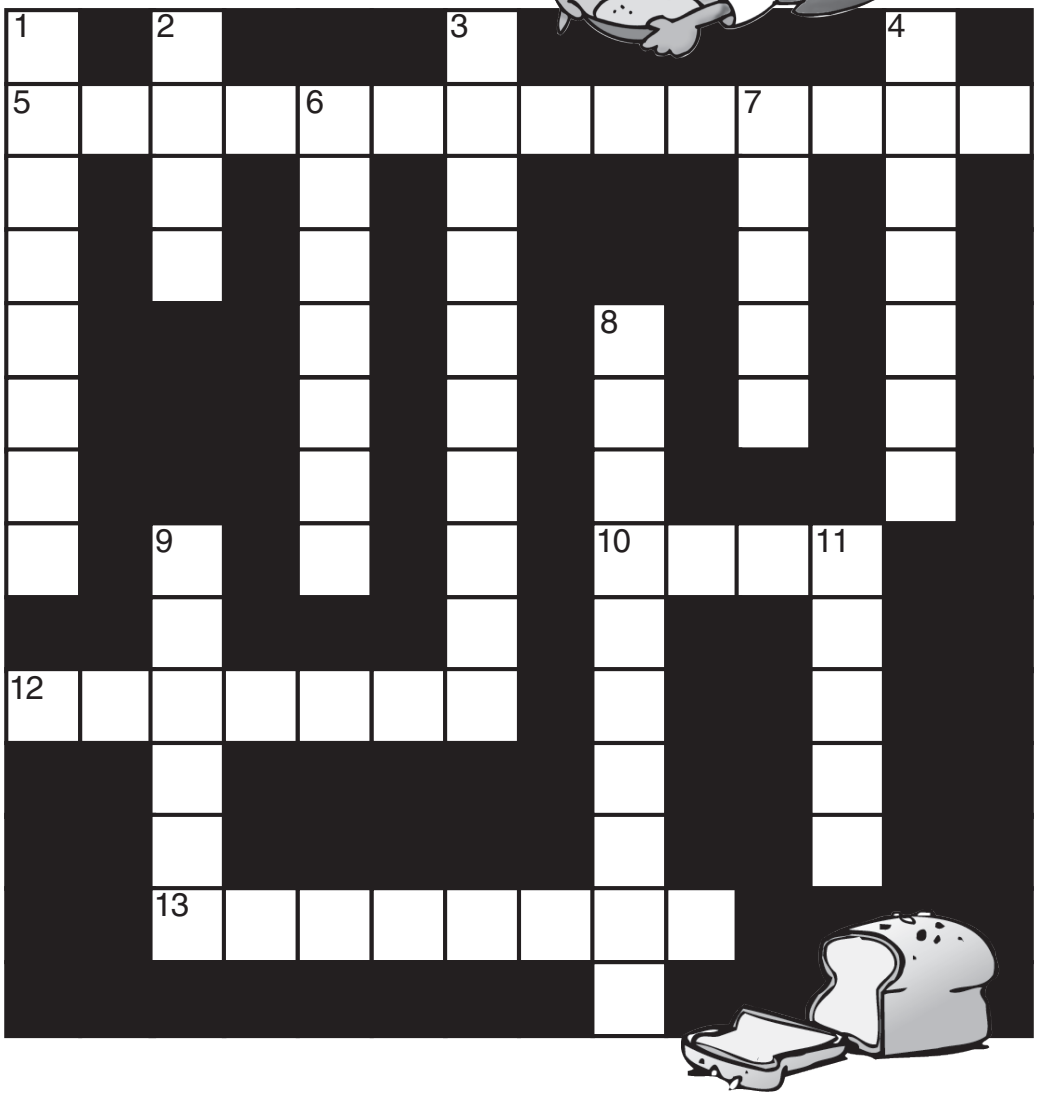
6 Clean, dry places to keep food

7 Buying and selling between countries

8 Changing raw products into forms we can use

9 Overflowing of rivers and streams

11 Insects and rodents



The two main causes of hunger in the United States are:

v p o r e y t

_____

t u y n m e n m p l o e

_____

Food supplies are hurt when certain things happen. Sometimes land and water quality goes down. Pollution, natural disasters like floods, droughts, insects and over-planting one kind of crop can cause this damage. Sometimes people don't have the technology to produce and protect crops.

It takes all the world working together to solve hunger problems.

Go Figure!

Each soybean plant produces 15 to 25 pods. Each pod contains two or three beans.

- What is the highest number of soybeans one plant could produce?
- About 1,500 soybeans weigh one pound. If a bushel of beans weighs 60 pounds, how many beans are in a bushel?

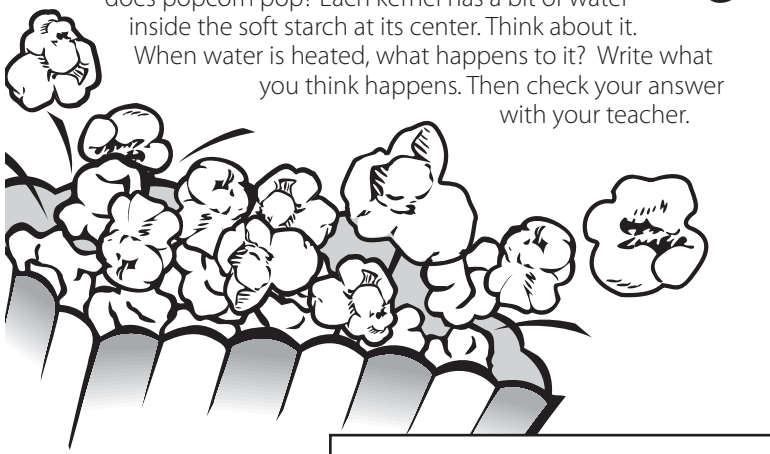
Corny Scramble

Unscramble the following list of food items that contain corn.

nroc seaklf c___ ___ ___ f___ a ___ ___ ___
cei earcm ___ c ___ ___ ___ ___ ___ m
oads s ___ ___ ___
nuteap ttreub ___ e ___ ___ u ___ ___ u ___ ___ e ___
upchket k ___ ___ ___ h ___ ___
alads ingsserd s ___ l ___ ___ d ___ e ___ ___ ___ ___ g
ylelj ___ e ___ ___ ___
alamrowsslhm ___ a ___ s ___ ___ ___ ___ l ___ ___ s
meanrirga m ___ ___ g ___ ___ ___ ___ ___
tcoa hicsp ___ a ___ o ___ ___ i ___ ___

Pop! Pop! Pop!

American Indians were already enjoying popcorn hundreds of years ago. Popcorn was probably made by accident when someone knocked some corn kernels into a fire. Can you imagine the surprise when the kernels exploded? But why does popcorn pop? Each kernel has a bit of water inside the soft starch at its center. Think about it. When water is heated, what happens to it? Write what you think happens. Then check your answer with your teacher.



Strawberry Banana Tofu

Smoothie

Makes 4 servings (1/2 cup each)

In this recipe, which ingredient is the soy product packed with nutrients that builds strong muscles and good bones and teeth?

_____

Ingredients:

- 1 package of silken/soft tofu (10.5 oz.)
- 1 small ripe banana
- 1 cup frozen sweetened strawberries, slightly thawed and including juice

Directions:

Combine all ingredients in a blender or food processor and blend until smooth. Serve chilled.

Why don't you tell secrets in corn fields?

Too many ears!

Corny Counting!

Does a cob of corn have an even number of kernel rows, or an odd number? Make a prediction and then test it out. Get several ears of field corn and start counting! Compare results.

My Prediction: _____ **Actual:** _____

Use a ruler to help you estimate the total number of kernels on a cob. (How many kernels are in an inch?) After everyone makes a prediction, count the kernels for an official answer. How did the ruler help in estimating?