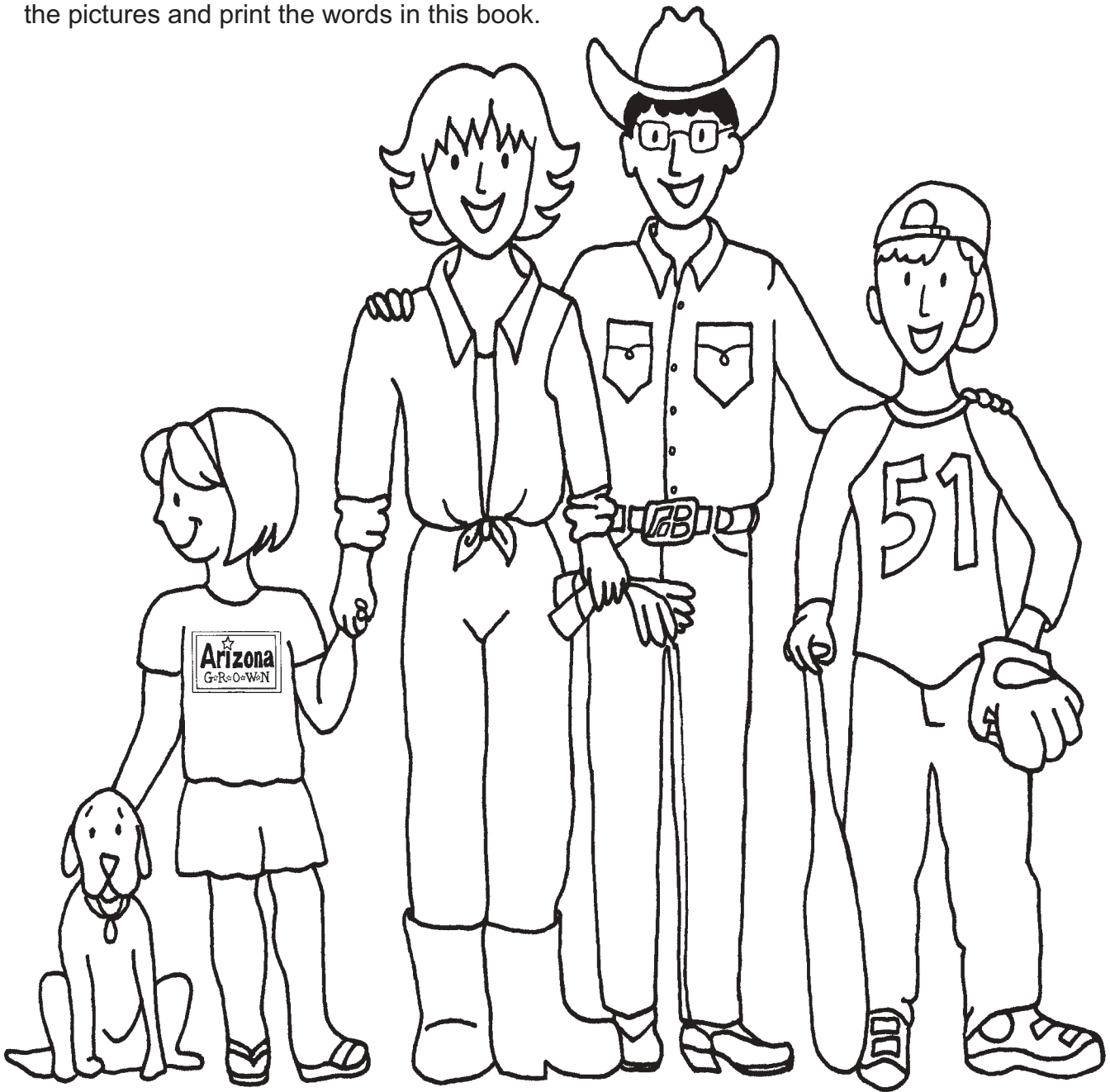


Agriculture is important to Arizona. Farming today is not like Old McDonald's farm. Farms and ranches are businesses run by families!

Farmers and ranchers grow plants and animals. These plants and animals give you food to eat and fiber to make your clothes.

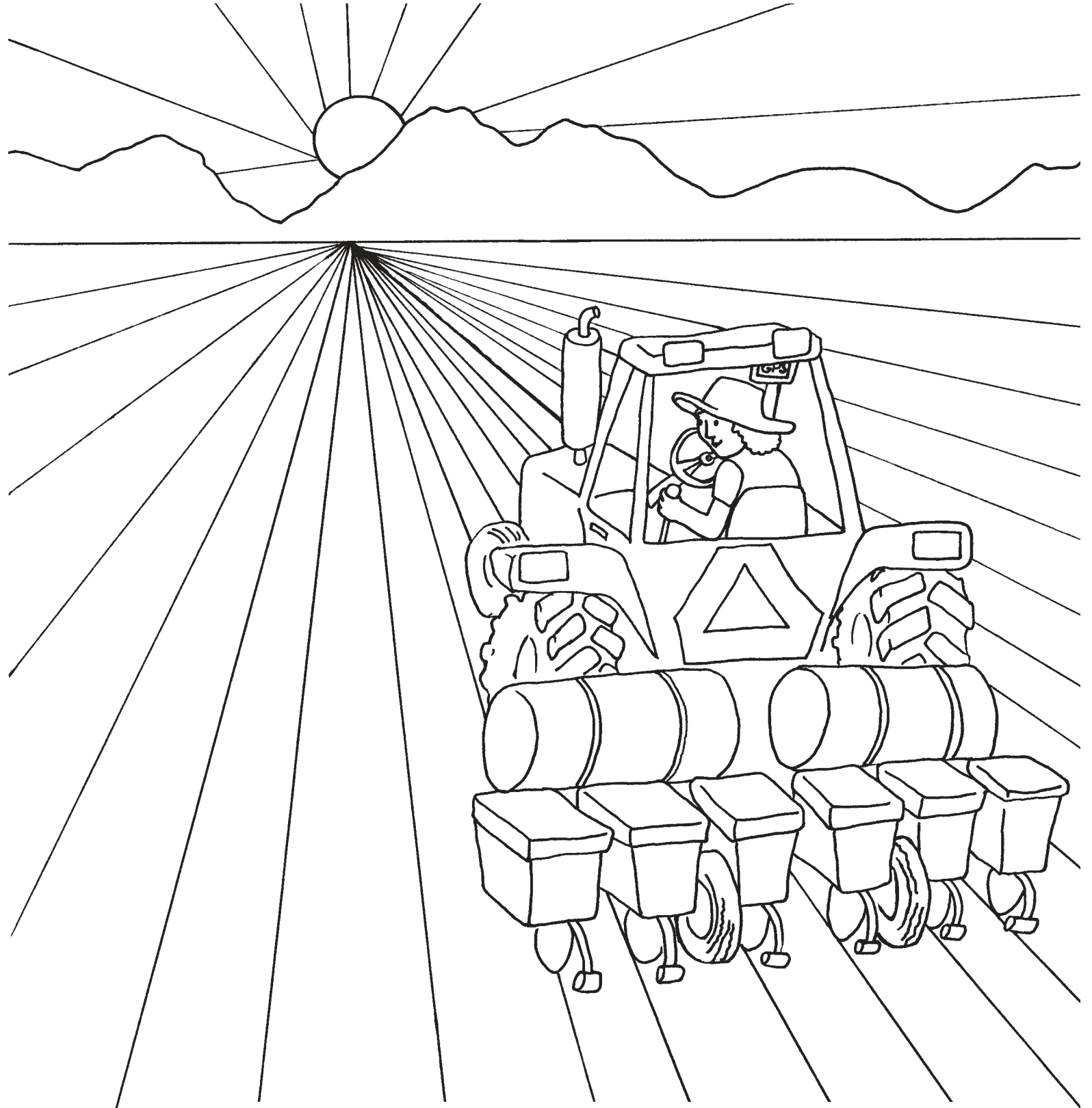
Not all farmers grow the same crops. Farmers in Arizona grow almost 100 different crops. Ranchers raise cattle and sheep on almost 24 million acres of Arizona rangelands.

To help you learn more about Arizona farming and ranching, do the activities, color the pictures and print the words in this book.



Note to Parents: This activity coloring book was designed to show the basics of Arizona agriculture. Please help your child understand that farming produces our food, fiber, ornamental plants and many other products we need and use daily.

This project was paid for, in part, by a grant from the Arizona Department of Agriculture's Office of Marketing and Outreach. Funds were made available to the ADA by congressional appropriation pursuant to PL 107-25.

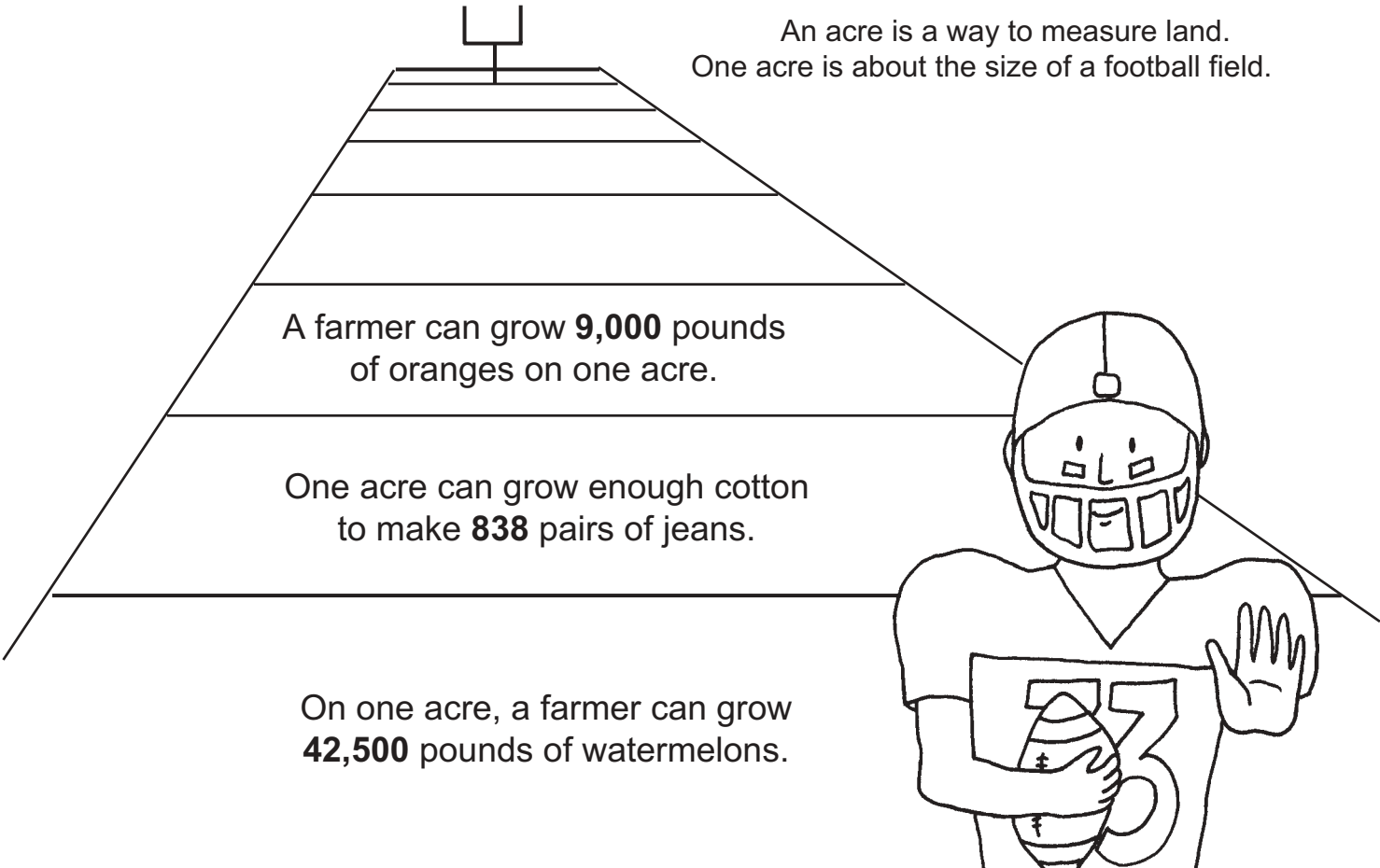


This farmer is planting seeds in the soil on her farm. Seeds grow to be plants like vegetables, grain and grass. Trees that grow fruit also grow in the soil. We eat the vegetables, grain and fruit. Animals also eat the grass and grain so we can have meat, dairy products and eggs.

Read the words below. Then print the words.

soil seeds

An acre is a way to measure land.
One acre is about the size of a football field.

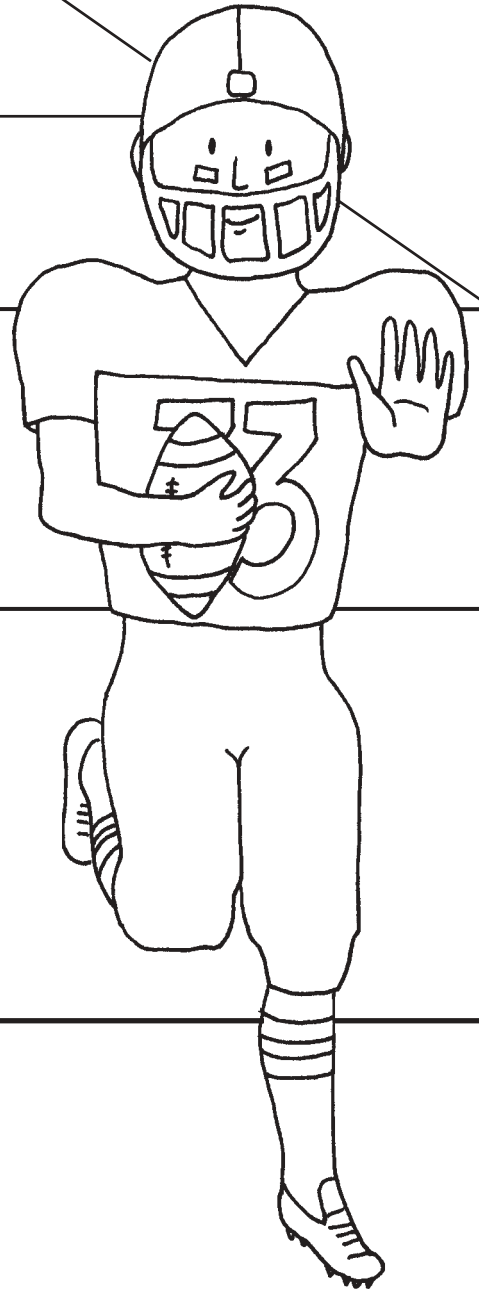


A farmer can grow **9,000** pounds
of oranges on one acre.

One acre can grow enough cotton
to make **838** pairs of jeans.

On one acre, a farmer can grow
42,500 pounds of watermelons.

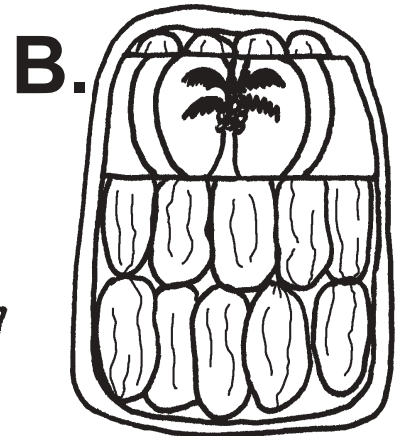
An acre can grow enough potatoes to make
9,000 - 12 ounce bags of potato chips.



Read the word below. Then print the word.

acre

Delicious fruits and nuts grow on trees on Arizona farms. Match the name of the tree with the fruit it produces.



An apple tree produces _____.

An orange tree produces _____.



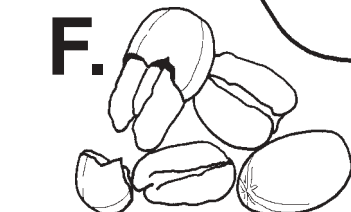
A pecan tree produces _____.

A lemon tree produces _____.

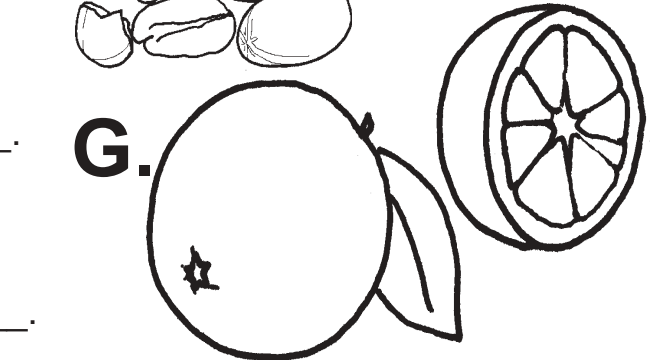


A peach tree produces _____.

A pistachio tree produces _____.



A date palm tree produces _____.



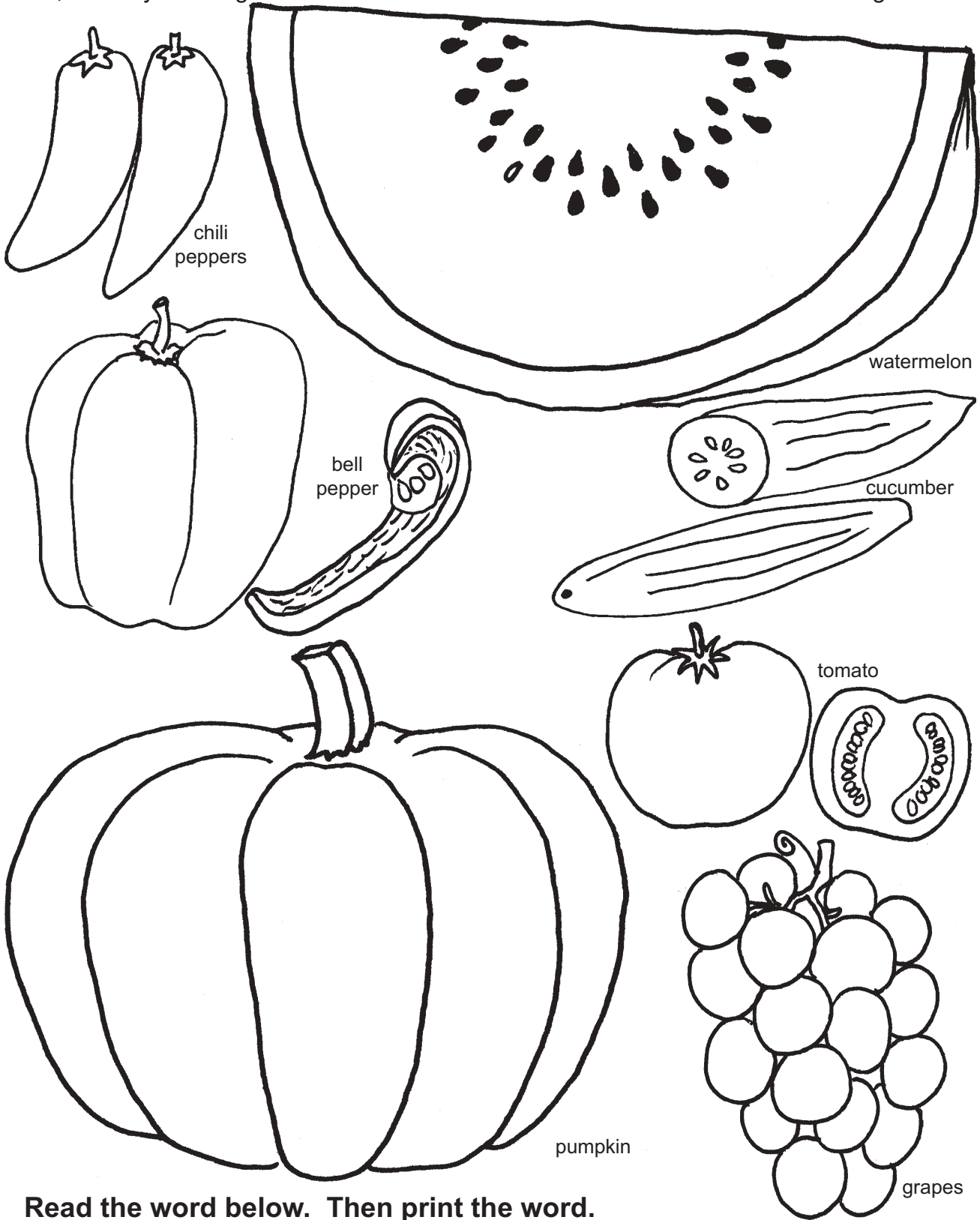
A cherry tree produces _____.



Read the words below. Then print the words.

trees _____ nuts _____

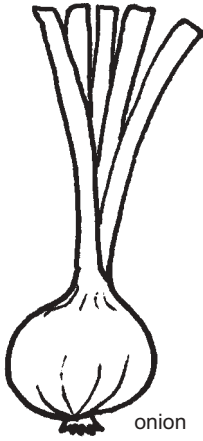
Everything we eat that has seeds is a fruit. These crops grown in Arizona are all fruits, but they do not grow on trees! Circle the fruits that are sometimes called vegetables.



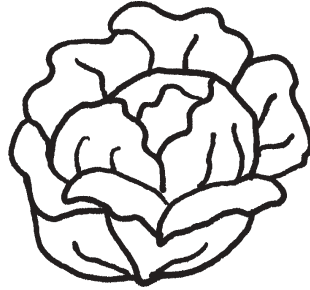
Read the word below. Then print the word.

fruit

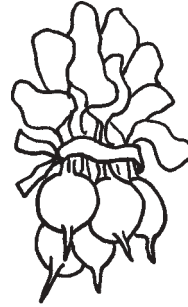
Read each riddle. Write its answer.



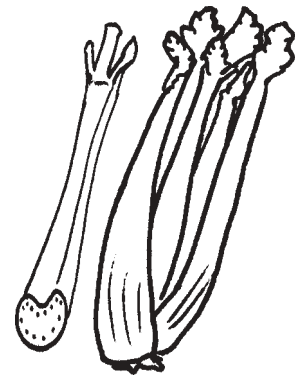
onion



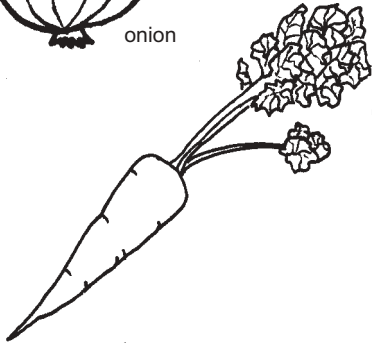
lettuce



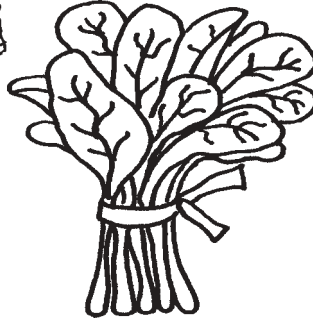
radish



celery



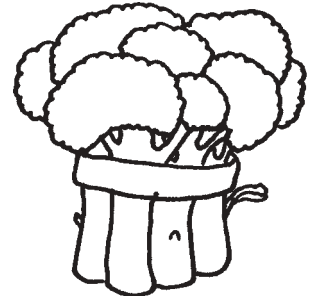
carrot



spinach



asparagus



broccoli

1. I am a leaf.
I am green.
Put me in a salad.

- 2 I am orange.
I am a root.
Rabbits like to eat me.

3. I am dark green.
I am a leaf.
I will help you get strong.

4. I am green.
I am a flower.
People melt cheese on me.

5. I am a root.
I am red.
Try me in a salad, too.

6. I have a thin paper covering.
I make you cry when
I am peeled or cut.

7. I am a crunchy stem.
Try me with peanut butter.

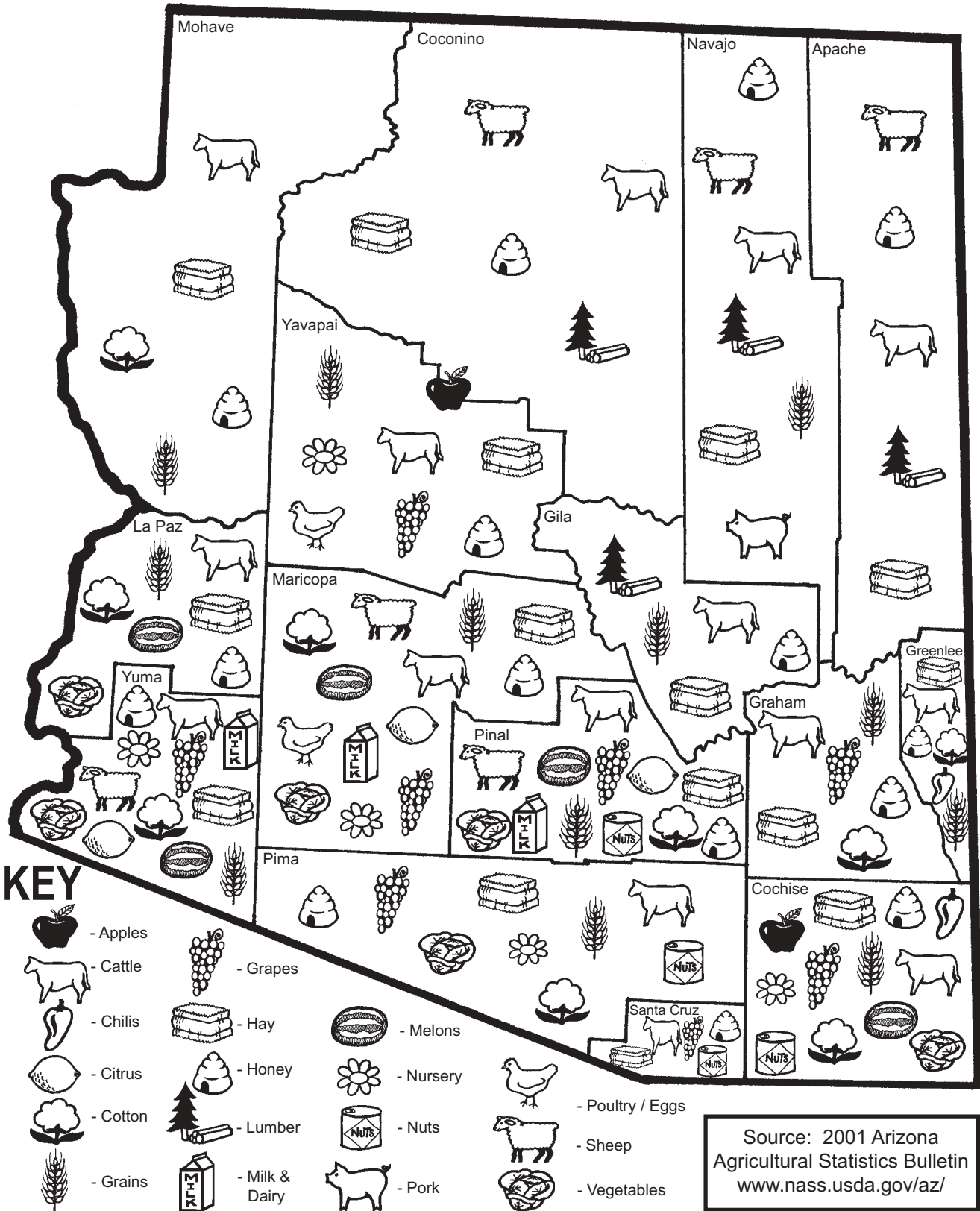
8. I am green.
I am a tall, slender stem.
I have tiny scales at my top
and along my sides.

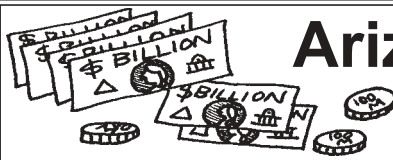
Read the word below. Then print the word.

vegetables

Arizona Grown

An agriculture commodity is something grown on a farm or a ranch. Milk, oranges, beef and cotton are agriculture commodities. This map shows all the major commodities grown in Arizona's 15 counties. There are 7,500 farms in our state.





Arizona Agriculture Facts

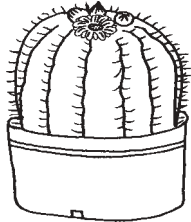


Agriculture generates \$6.3 billion for Arizona's economy every year.



Crops grow on more than 1 million acres in Arizona. Ranches cover almost 24 million acres.

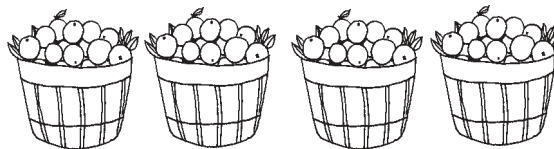
Because Arizona gets very little rainfall, farmers must irrigate their crops.



Arizona nurseries grow plants adapted to our desert environment that reduce water use in landscapes.

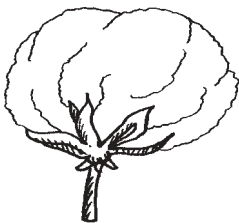


Arizona grows 170 oranges for every Arizona resident each year.



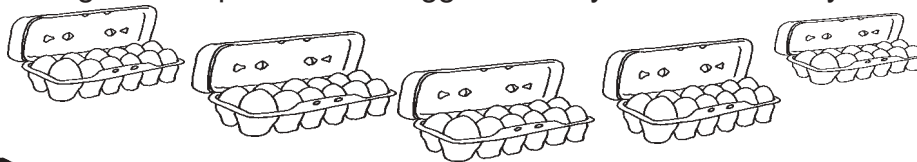
Yuma is called the "Winter Lettuce Capitol of the World" because most of the lettuce sold in the United States in the winter is grown near Yuma.

Arizona grows enough grapefruit to provide every American child 1/2 grapefruit on any given day.



Arizona farmers grow enough cotton every year to make more than one pair of jeans for every person in the United States.

Arizona agriculture produces 60 eggs for every Arizonan each year.



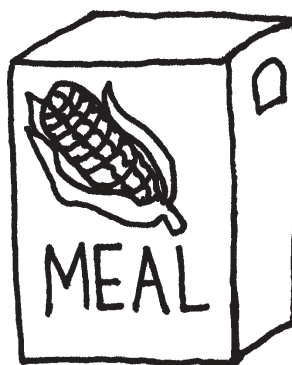
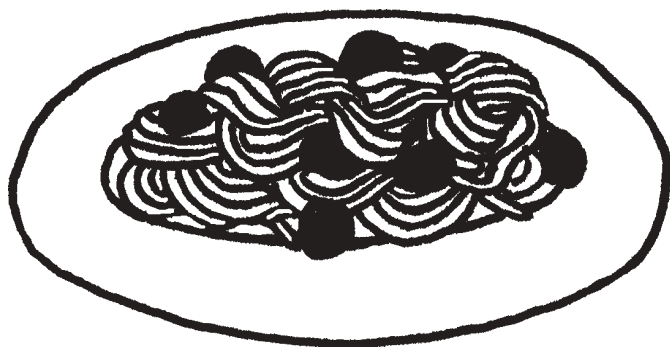
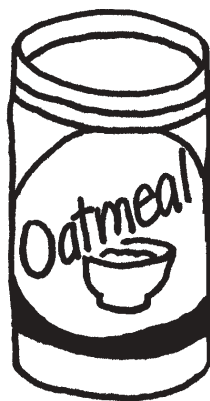
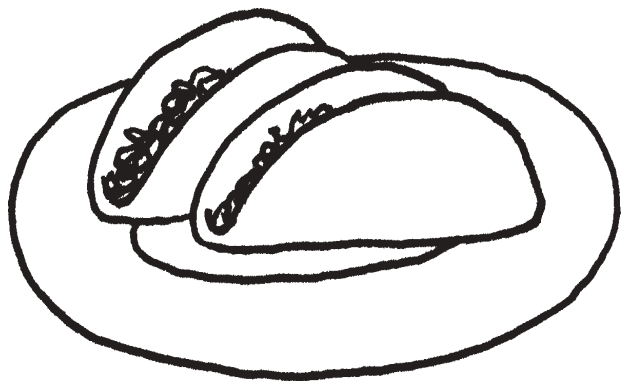
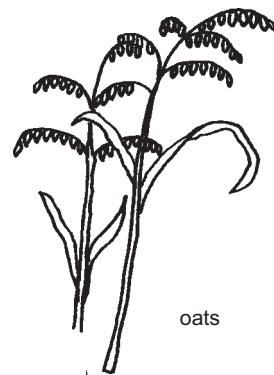
Arizona ranchers produce enough beef for every Arizonan to have a 1/4 pound burger 300 days a year.

Arizona farmers grow enough broccoli for every Arizonan to have one serving.



Many Arizona farmers grow grain and corn in their fields. Some grains grown in Arizona include durum wheat, barley and oats. Some of the grain and corn is ground to be flour. The flour is made into foods like spaghetti, bread, tortillas and cereal.

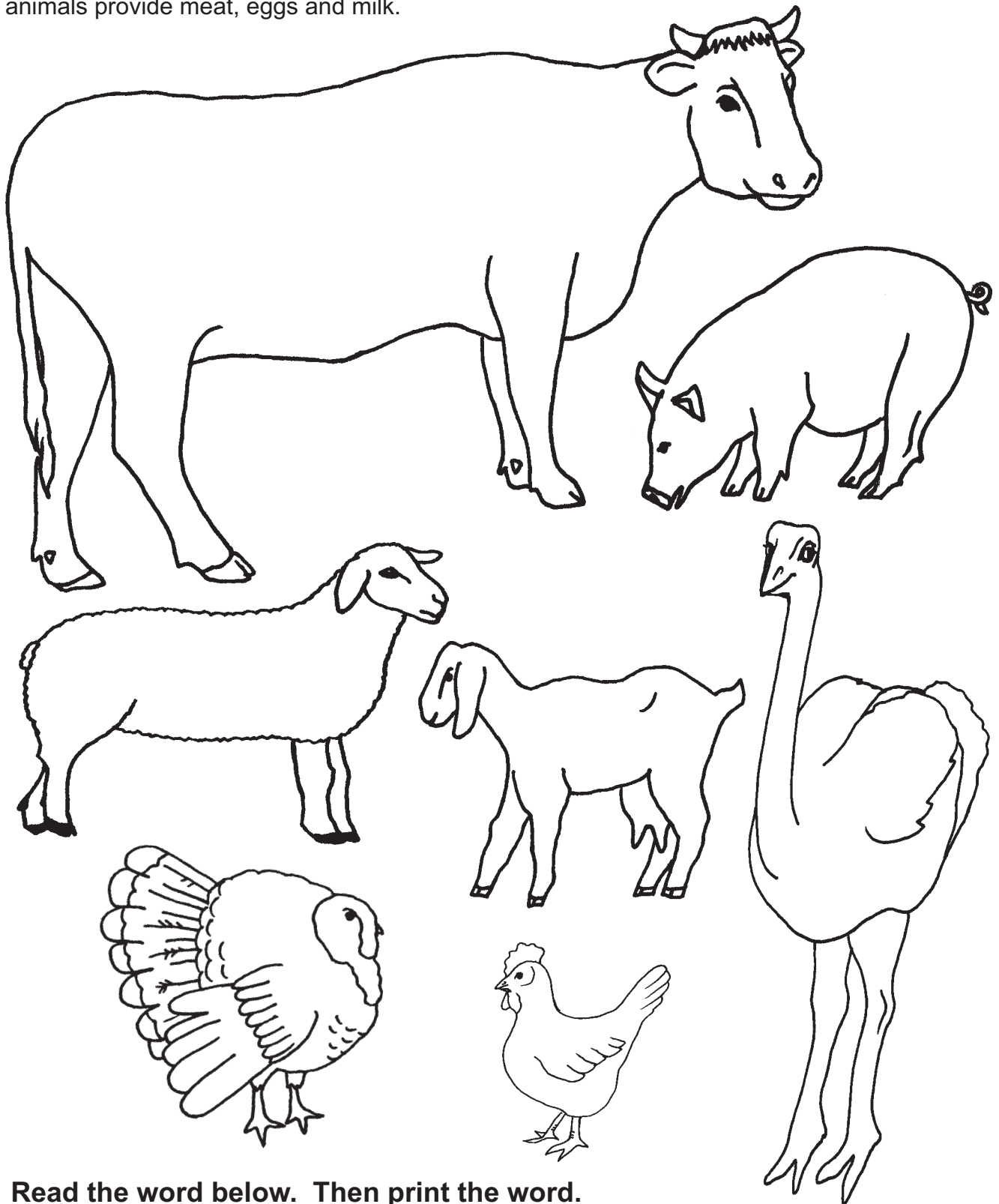
What food do you like the best? Color the plate or bowl underneath it red, then draw a line to the cereal or flour it was made from. Draw another line to the plant it came from.



Read the word below. Then print the word.

grains

Some grain and corn is used to feed cows, pigs, sheep, goats, ostrich, turkeys and chickens. Animals eat grass, hay and other things people don't normally eat. These animals provide meat, eggs and milk.

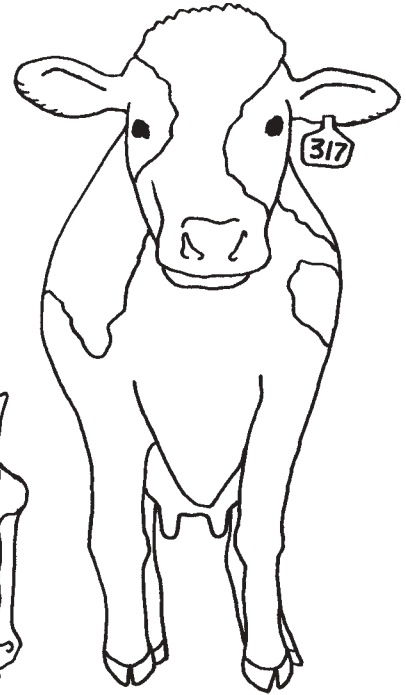
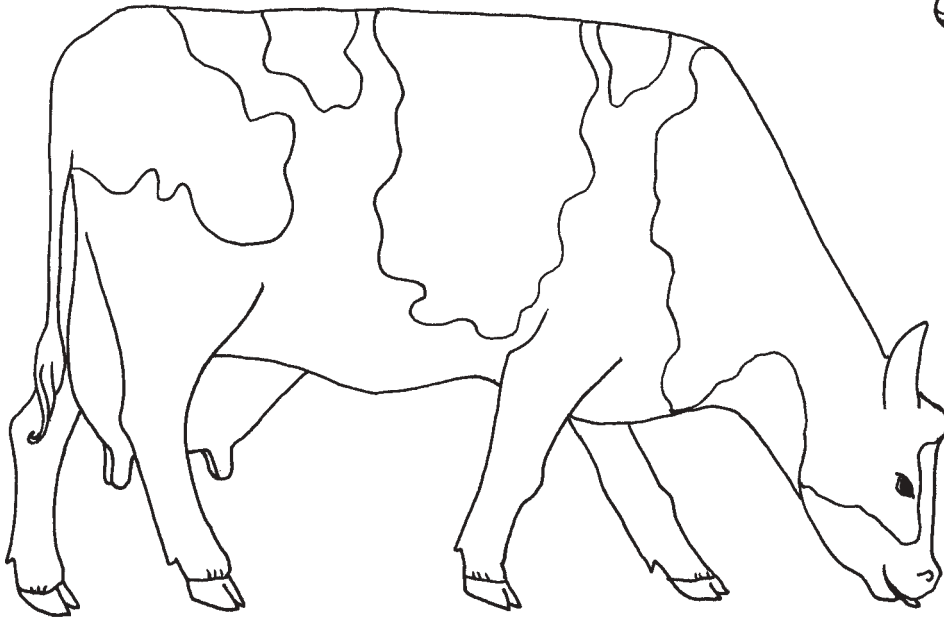
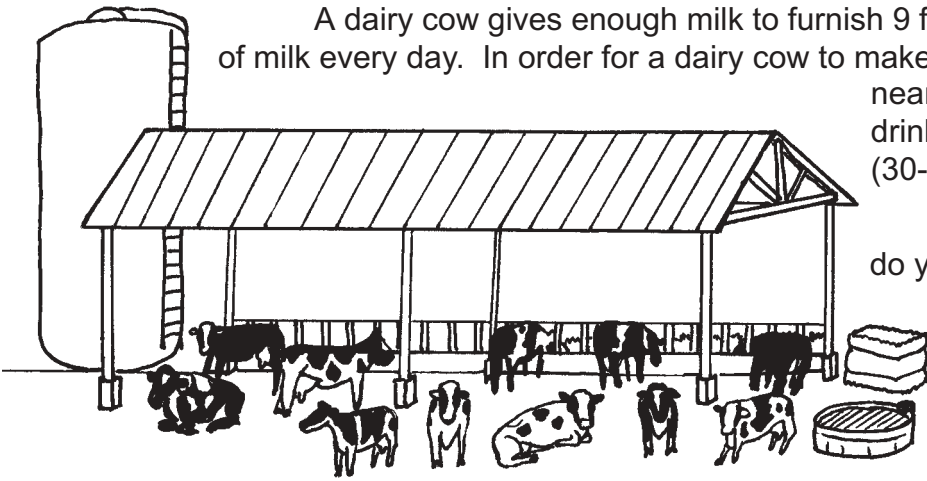


Read the word below. Then print the word.

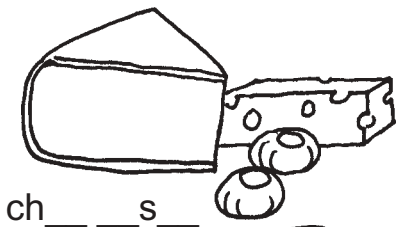
animals

A dairy cow gives enough milk to furnish 9 families of four with 2 glasses of milk every day. In order for a dairy cow to make this much milk, she may eat nearly 100 pounds of food, and drink about a bathtub full of water (30-35 gallons) every day.

How many glasses of milk do you drink per day?



Dairy cows give us these products. Fill in the vowels to name the foods.



ch _ _ _ s



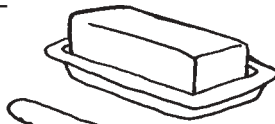
_ _ ce



cr _ _ _ m



m _ lk



b _ tt _ r

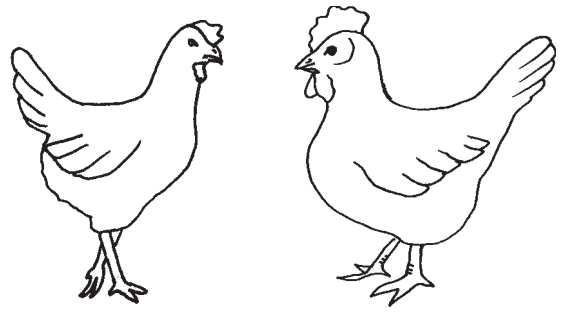
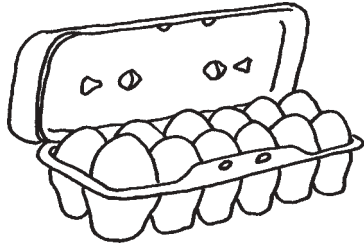


y _ g _ rt

Read the word below. Then print the word.

dairy

Arizona farmers grow chickens to give us meat and eggs to eat. A hen lays one egg a day.



Count by twos to help the hen get to her nest. Draw a line to connect the path.

A large grid of 30 numbered circles (1-30) connected by lines, forming a maze. A hen is at circle 1, and a nest with two eggs is at circle 30. The path to follow is 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 30.

Read the word below. Then print the word.

eggs

Raw materials that come from plants and animals grown and raised in Arizona are used to make clothing. Leather from cows is used to make many things we wear. Wool from sheep is spun into yarn. Yarn is woven into things like mittens, sweaters, scarves, blankets and other items that keep us warm. Cotton fiber is used to make jeans, socks, towels, T-shirts and other clothes.

Unscramble the words below to find things that are made from products grown in Arizona.



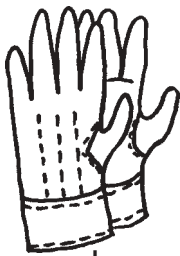
tobso



sentimt



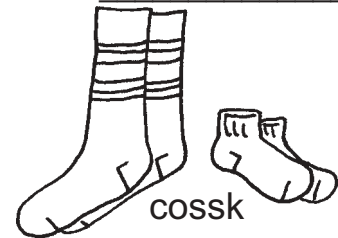
asnje



solgev



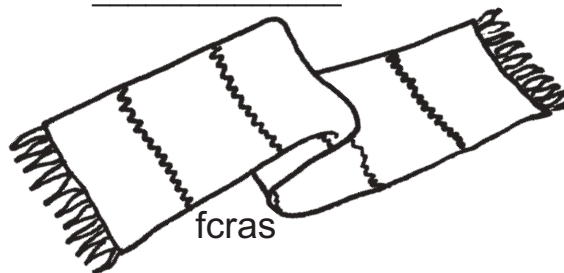
treewas



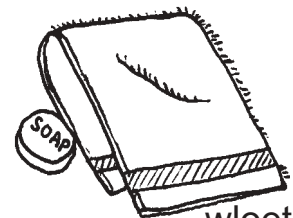
cossk



ersup



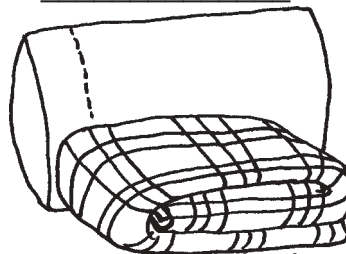
fcras



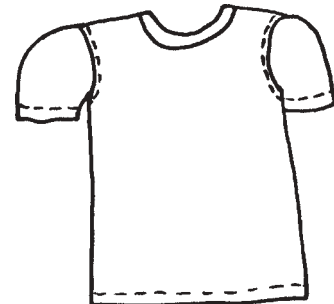
wloet



tebl



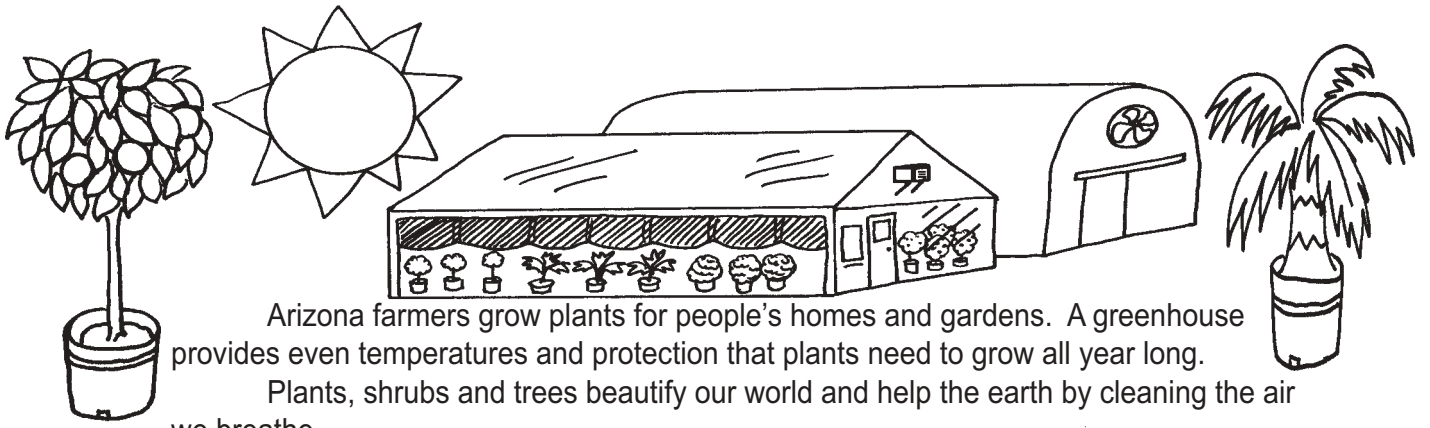
elnktab



-hrtsiT

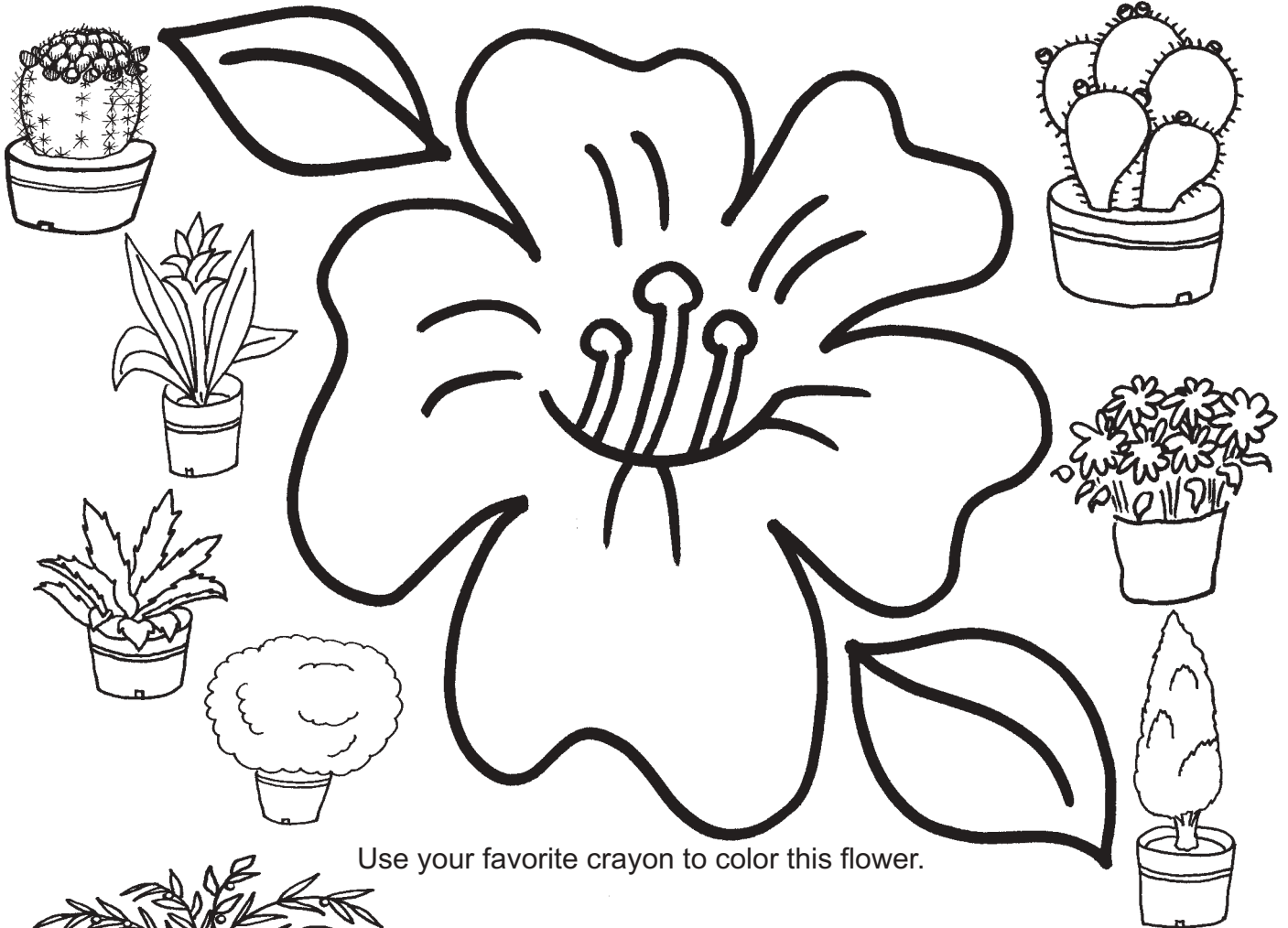
Read the word below. Then print the word.

clothing

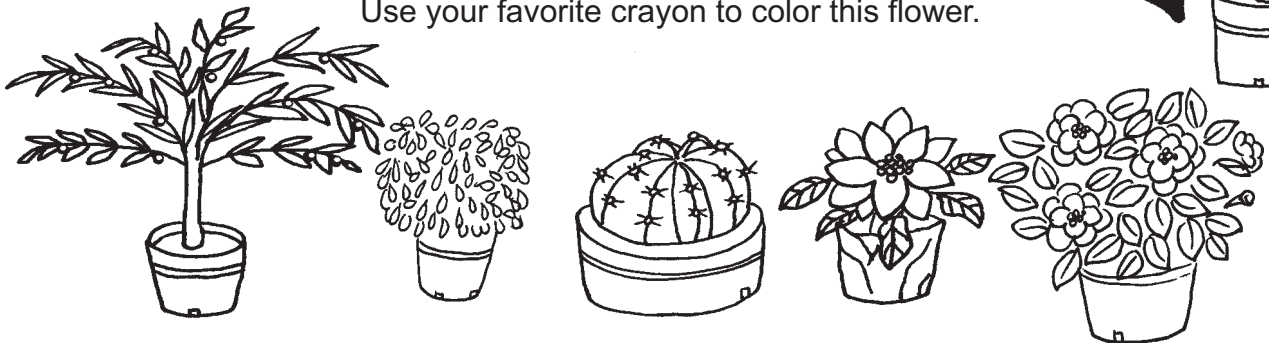


Arizona farmers grow plants for people's homes and gardens. A greenhouse provides even temperatures and protection that plants need to grow all year long.

Plants, shrubs and trees beautify our world and help the earth by cleaning the air we breathe.

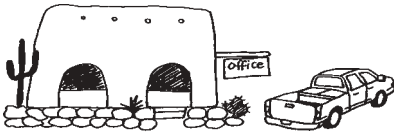


Use your favorite crayon to color this flower.



Read the word below. Then print the word.

plants

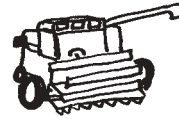
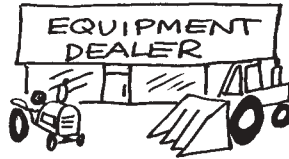


DIRECTIONS:

Use buttons for markers. Start at the farmer's office. To move, flip a coin. Heads, move button one space; tails, move button two spaces.

START

PREPARE SOIL



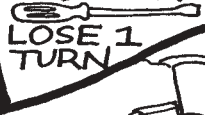
WATER SEEDS



PLANT SEEDS



TRACTOR BREAKS DOWN
LOSE 1 TURN



PUMP BREAKS
NO WATER FOR CROP
PLANTS DIE
GO BACK TO START

PUT BEE HIVES
IN FIELD TO
POLLINATE PLANTS



WEED



BUGS!
GO BACK 2 SPACES AND
CALL PEST CONTROL

FERTILIZER HELPS
PLANTS GROW



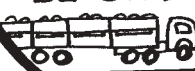
PUT LADY BUGS
IN FIELD TO
EAT BAD BUGS



HIRE CREW FOR
HARVEST



HIRE TRUCKS
TO TAKE
PRODUCE TO
BE SOLD



BAD MARKET
- LOW PRICES

GO BACK 1 SPACE



GOOD MARKET
GO AHEAD 1 SPACE



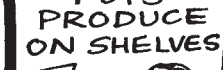
BROKER HELPS
GROCER BUY
FARMERS
PRODUCE



TRUCK
TAKES
PRODUCE
TO GROCERY
STORE



GROCER
PUTS
PRODUCE
ON SHELVES

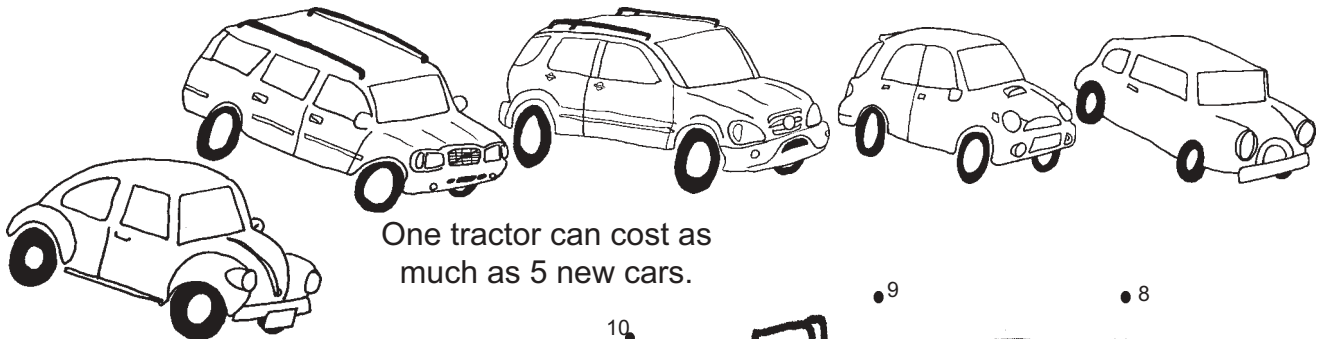


PEOPLE BUY
FRESH PRODUCE



EVERY BODY EATS
EVERY BODY WINS!

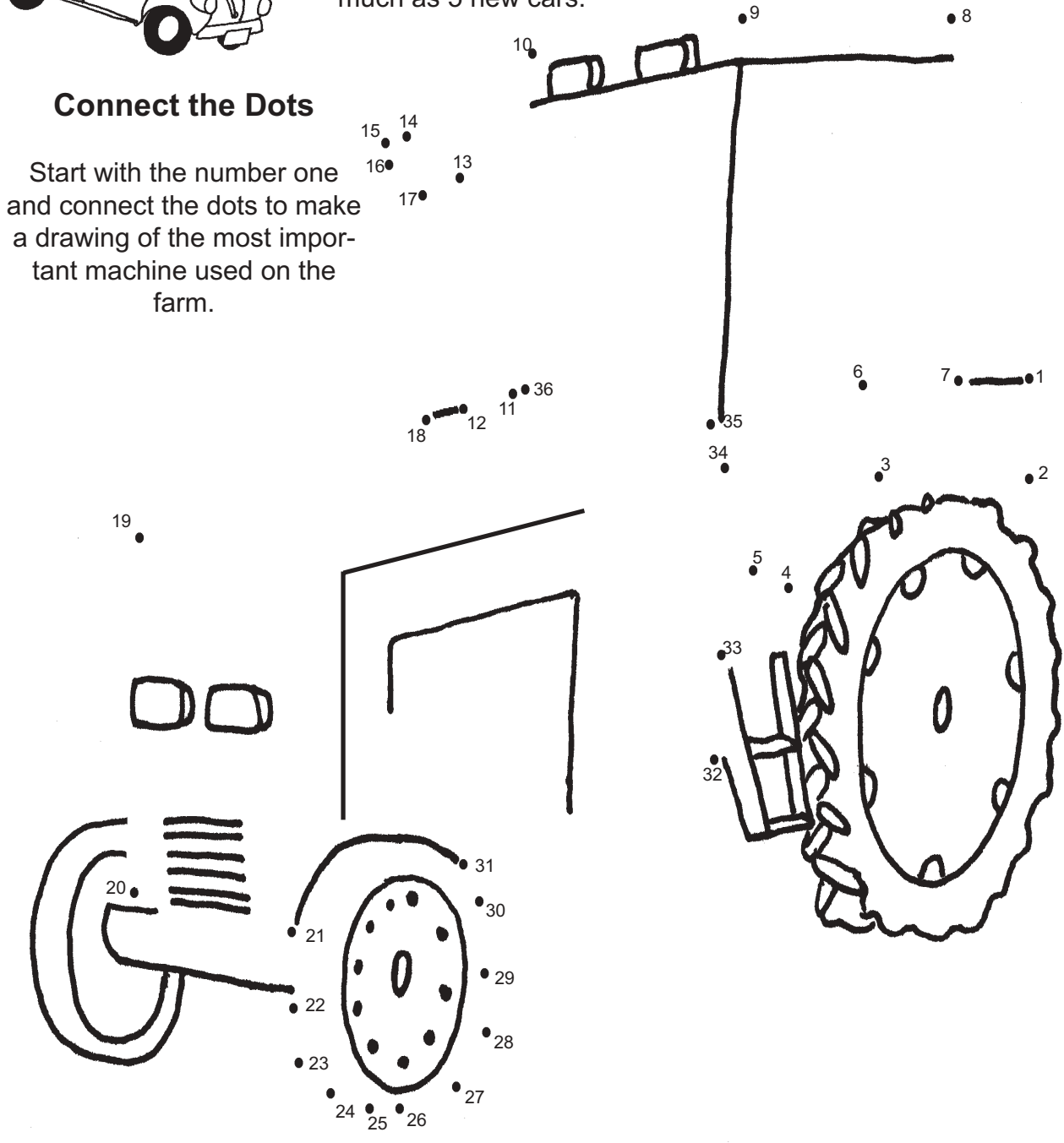
The **FARMING GAME**



One tractor can cost as much as 5 new cars.

Connect the Dots

Start with the number one and connect the dots to make a drawing of the most important machine used on the farm.



Read the word below. Then print the word.

tractor

Here are a few of the many jobs you can have in agriculture.



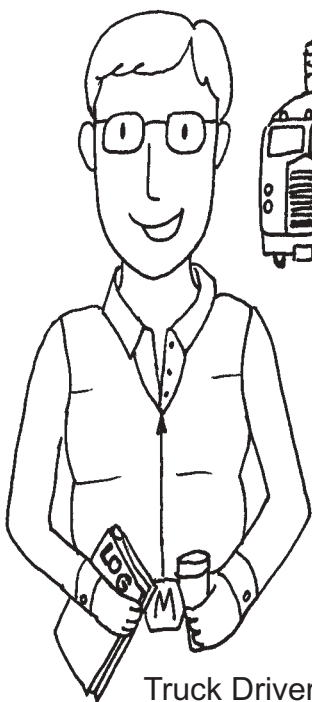
Scientist



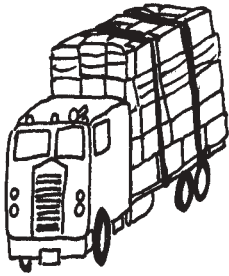
Farmer



Cowboy



Truck Driver



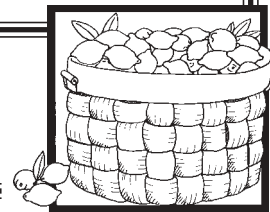
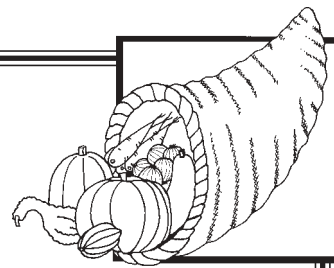
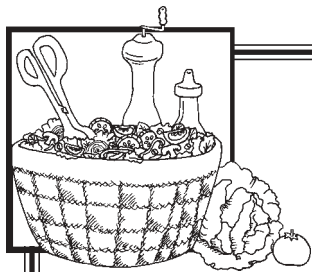
Veterinarian



Chef

Read the word below. Then print the word.

jobs



Draw and color a picture about what you have learned about Arizona agriculture. Send it in to **win a prize!** See back cover for details.

ARIZONA AGRICULTURE COLORING CONTEST

Contest is open to all Arizona children ages 5-9.

Please submit entries by December 31, 2003.
Winners will be notified by February 16, 2004.

All entries should be sent to:

Coloring Contest
Arizona Farm Bureau Federation
3401 E. Elwood Street
Phoenix, Arizona 85040

Please type or print clearly:

Name: _____ Age: _____

Address: _____

City, State, Zip Code: _____

Phone number (optional): _____

Parent name: _____

ENTRY FORM

Thanks to the Arizona Farm Bureau Federation Women's Leadership Committee who worked to bring this activity/coloring book to the children of Arizona to help educate them about agriculture.