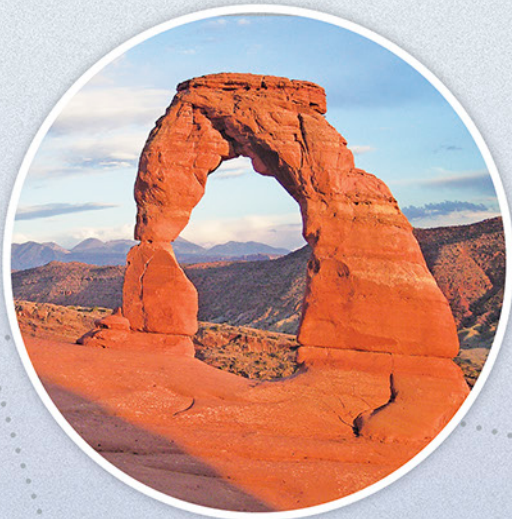


NYSTROM

ATLAS
of

OUR COUNTRY'S GEOGRAPHY





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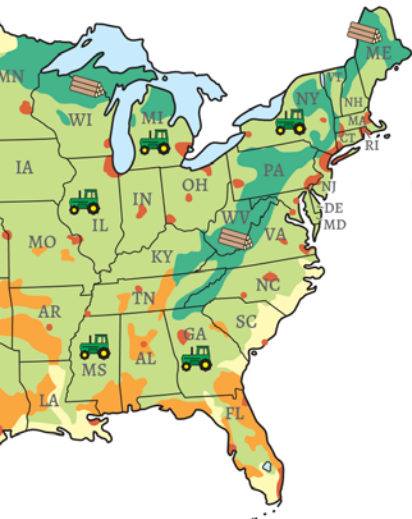
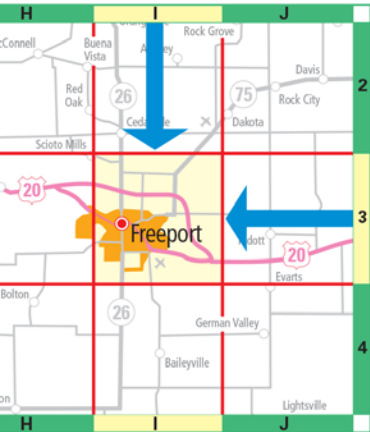
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© 2003, 2021 Social Studies School Service
Third edition of *The Nystrom Junior Geographer Atlas*
PO Box 802, Culver City, CA 90232-0802

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Printed in Canada

ISBN: 978-0-7825-3072-8
Product Code: NYS0844 v3.0

To order: www.socialstudies.com or 800-421-4246

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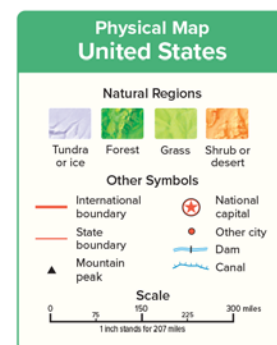
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How does technology help us explore the world?

Technology provides digital maps that help us explore the world.

- ▶ The **Global Positioning System**, or GPS, sends mapping images from **satellites** to Earth.
- ▶ People use GPS on their computers or phones to look at maps and get directions.
- ▶ **Navigation** technology is constantly updated.



A Satellites are objects that orbit Earth.



B Satellites are used to capture images of Earth from above.



C Computer programs create digital maps based on satellite images.



- E** GPS can help people by providing directions for traveling by car, public transportation, bicycle, or walking.



Taking Action

How can you use GPS to understand your community better?



- F** Navigation programs also have street views to help people see what specific locations look like.

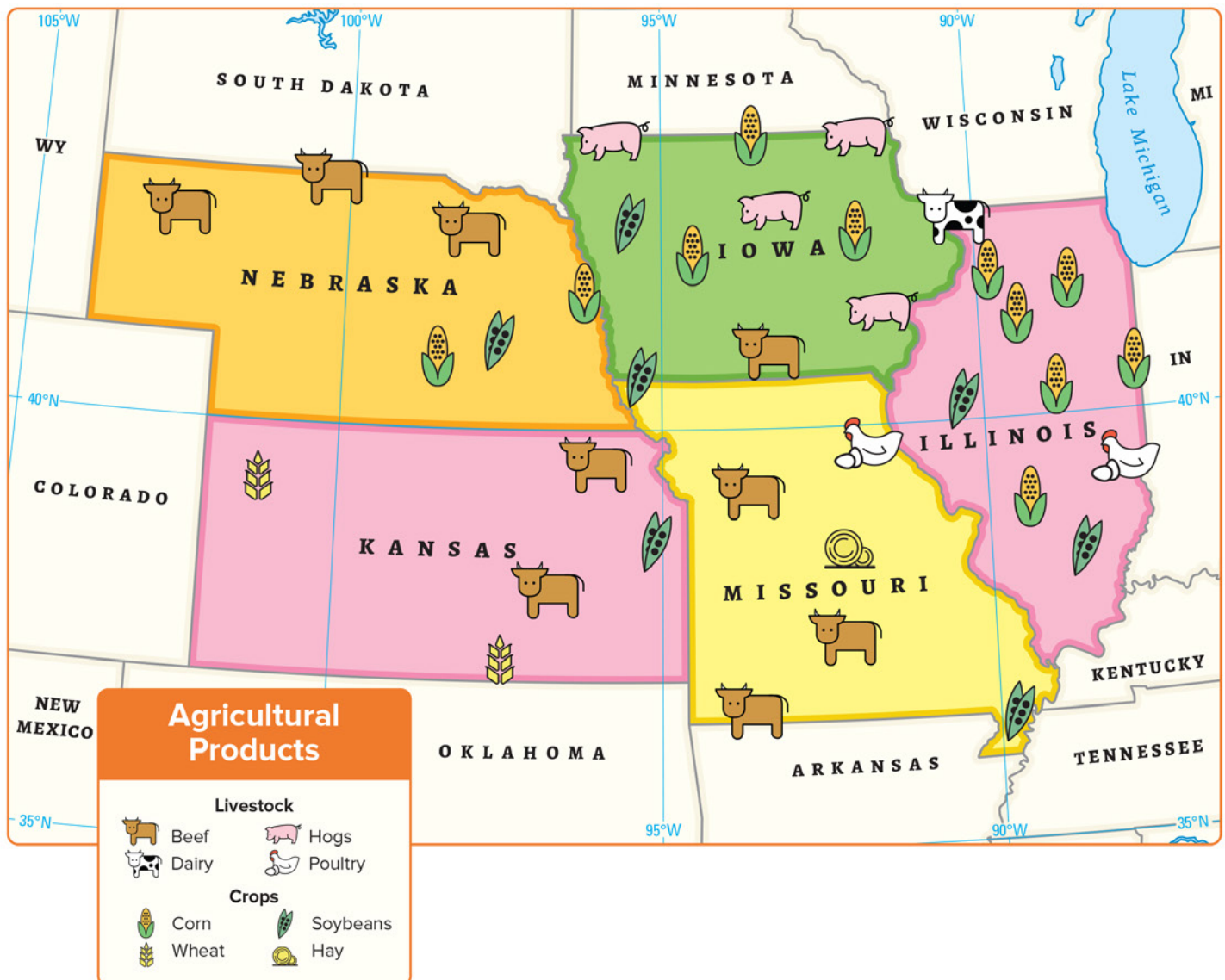
How does agriculture impact people and the environment?

Agriculture is a very important part of the economy of the Central region.

- Farmers raise crops and animals that feed people across the country and around the world.
- Farmers sometimes use chemicals to make their crops grow faster or protect them from insects and other animals. Some chemicals can be harmful to the air and water.
- Organic farms agree not to use chemical **fertilizers** or **pesticides**.



A The Central region has many farms. This photograph shows a wheat field in Kansas.





B Farms raise millions of animals, such as these pigs in Iowa, for meat.



C Agriculture requires a lot of water. This soybean field in Nebraska is being watered by an **irrigation** machine.



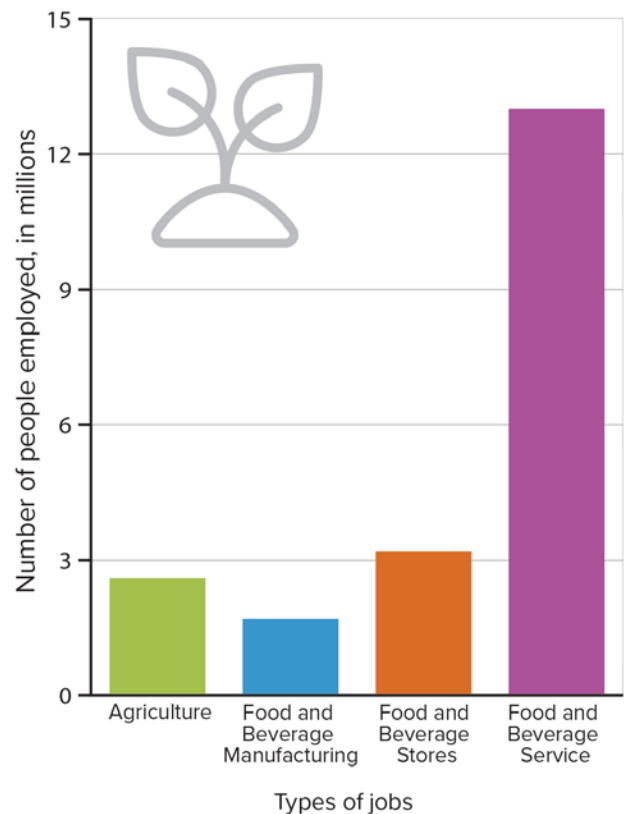
D Buying locally grown food requires less transportation and creates less air pollution. Organic products do not use harmful chemicals.



Taking Action

How can you support local farms?

Jobs Connected to Agriculture



E Roughly three million Americans work on farms. But many millions more work in jobs that rely on the food that is grown on those farms.

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OUR COUNTRY'S GEOGRAPHY

STUDENT ACTIVITIES



THIRD EDITION

Name _____

Date _____

► How does technology help us explore the world?

► Relationships within Places

1. Turn to pages 24–25 of the atlas. Read the introduction and the photo captions. Then match the vocabulary word to the definition. Use the glossary on pages 98–99 for help.
 - a. This system sends mapping images to Earth. ●
● navigation
 - b. This is a device which orbits the Earth. ●
● Global Positioning System (GPS)
 - c. This is constantly updated to help you find where places are located. ●
● satellite
2. Look at the photos on pages 24–25. Write the correct letter of the photo.
 - a. Which photo shows a digital map? _____
 - b. Which photo shows a satellite? _____
 - c. Which photo shows Earth from above? _____
 - d. Which photo shows a street view? _____

► Using Geography

3. Turn to page 25 in the atlas. Look the picture D and read the diagram. Use the information to complete the following sentences.
 - a. We will turn left on the road called _____.
 - b. Our next turn is in _____.
 - c. Follow the _____. It shows us which direction we are moving.
 - d. We will arrive at our destination in _____ minutes.
4. How does technology help us explore the world?

Name _____

Date _____

► How does agriculture impact people and the environment?

► Regions

1. Look at the “Agricultural Products” map on page 72 of the atlas. Use the information to complete the following tasks on the outline map on Activity Sheet 49b.
 - a. Put an **X** on all places where livestock is raised in the region.
 - b. Put an **O** on all places where crops are grown in the region.

► Relationships within Places

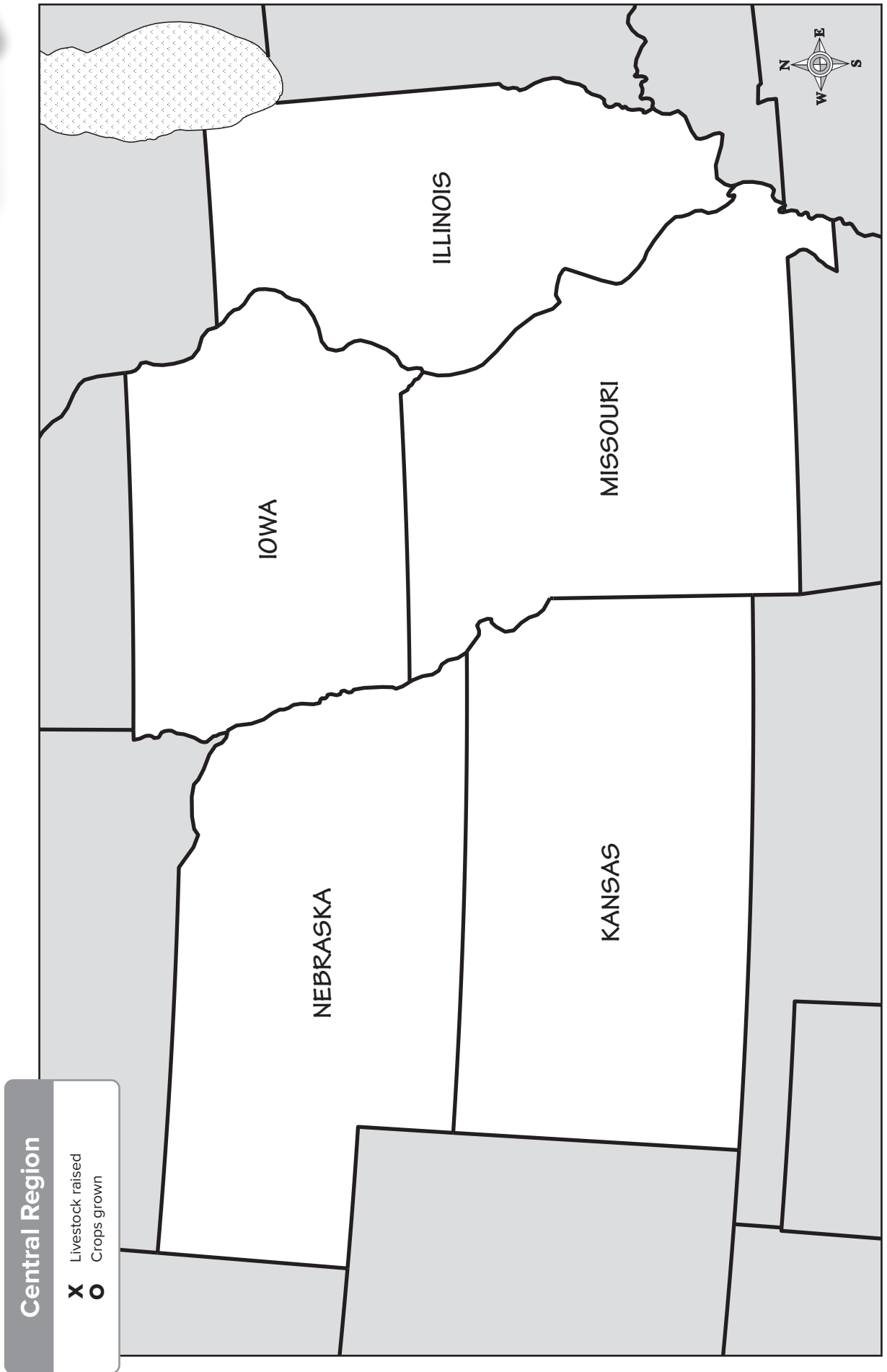
2. Turn to pages 72–73 of the atlas. Read the introduction. Look at the photos. Write **T** if the statement is true and **F** if the statement is false.
 - a. _____ Organic farmers use harmful chemicals.
 - b. _____ Agriculture is an important part of the economy of the Central region.
 - c. _____ Farms feed people around the world.
 - d. _____ Agriculture does not use much water.
 - e. _____ Irrigation machines water crops.
 - f. _____ Buying locally grown food creates less air pollution than buying food from far away.
3. Look at the map and graph pages 72–73. Circle the correct answer or answers.

a. Number of people working in agriculture	about 1 million	almost 3 million
b. Number of people working in food and beverage manufacturing	more than in agriculture	less than in agriculture
c. Number of people working in food and beverage service	less than the other categories combined	more than the other categories combined
4. List at least one positive and one negative impact of agriculture.

Name _____
Date _____

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Activity Sheet
49b





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