



# Fill in the Blanks

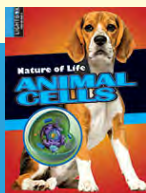
Follow the instructions to complete the activity.

NAME

DATE

Use the information found in *Animal Cells* to help you complete the following activity.

1. Animal cells consume  and release .
2. Each chromatophore contains a sac of .
3. Animal cells reproduce by .
4. A  shows how traits will be distributed when animals are bred.
5. Hereditary diseases are the result of .
6.  is the division process of egg and sperm cells in sexually reproducing animals.





# True or False

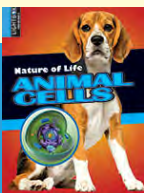
Follow the instructions to complete the activity.

NAME

DATE

Using the information in *Animal Cells*, verify whether the following information is true or false. Check your answers in the book. If the statement is false, write the correct answer below it. List the page number where you found your information beside your answer.

Statement 1	In vertebrates, osmoregulation is monitored by the hypothalamus.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 2	Bacteria can only be found in humid environments.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 3	Hemoglobin gives red blood cells their color.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 4	The kingdom Animalia is divided into four categories.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>
Statement 5	Lysosomes assemble proteins in the cell.	<input type="checkbox"/> True <input type="checkbox"/> False	Page Number	<input type="text"/>





# Animal Cells by the Numbers

Follow the instructions to complete the activity.

NAME

DATE

Answer the questions on the left by writing the correct letter in the boxes.

1

Approximately how many different species of mammals are there on Earth?

A

268

2

What percent of all species on Earth do animals make up?

B

5,000

3

Up to how many miles per hour do signals travel through the human nervous system?

C

2,500

4

How many skin cells do humans lose each minute?

D

72,000

5

How many miles do monarch butterflies migrate each year?

E

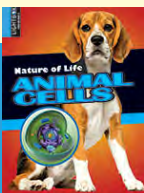
75

6

How many pounds of milk can one Holstein produce each year?

F

30,000





# Animal Cells Timeline

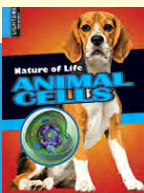
Follow the instructions to complete the activity.

NAME

DATE

Use the book, and research in the library and online, to create a list of important events in the history of animal cell research and discoveries. Your list should include at least 10 events. Organize the events by time period, from oldest to most recent. Then, use your list of events to complete the timeline below.

Year	Event
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>





# Animal Cell Careers

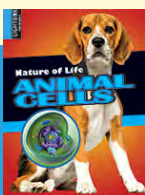
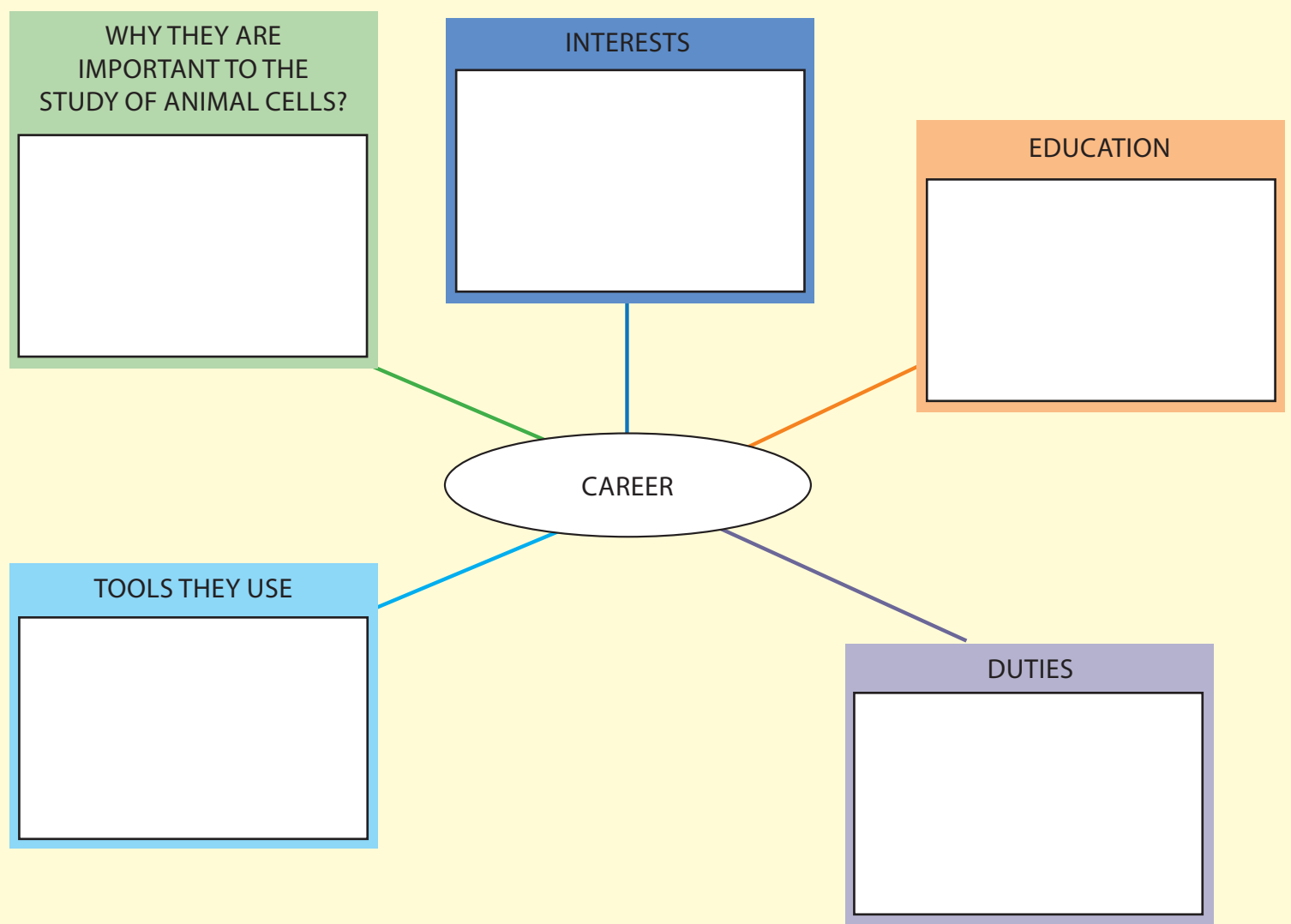
Follow the instructions to complete the activity.

NAME

DATE

Using the library and online content, as well as pages 26 and 27 of this book, find information about one of the careers highlighted in *Animal Cells*.

Then, using the concept web provided below, fill in information about the duties people in this position perform on a daily basis, the tools they use, people they interact with, and other relevant facts.





# Animal Cells Quiz

Test your knowledge of animal cells by answering these quiz questions. Check your answers in the activity pack.

NAME

DATE

1

What is bilateral symmetry?

2

What is a group of cells that perform similar functions called?

3

Which organelle is the site of lipid production?

4

What is cytoplasm?

5

What organelles do animal cells have that plant cells usually lack?

6

What are the female and male reproductive cells in some species?

7

What is osmoregulation?

8

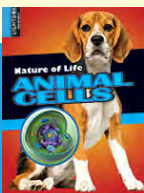
What is a mutation?

9

What is an adaptation?

10

What is the difference between mitosis and meiosis?





# Key Words Match-Up

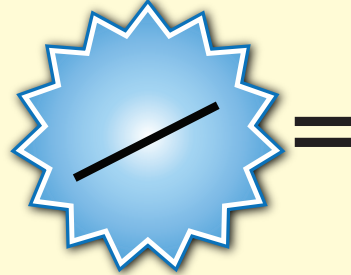
Write the words from the list below in the box above the correct definition for each word. Check your answers on page 31 of the book.

NAME

DATE

- |              |                |          |
|--------------|----------------|----------|
| antidiuretic | higher animals | protozoa |
| arthropods   | hydra          | symmetry |
| echinoderms  | permeable      |          |
| flagellum    | plankton       |          |

Your Score is



=

%

- |   |  |
|---|--|
| <p>1. <input type="text"/><br/>the even arrangement of parts along a line or around a center</p> <p>2. <input type="text"/><br/>an aquatic animal with a tube-like body</p> <p>3. <input type="text"/><br/>a tail-like structure</p> <p>4. <input type="text"/><br/>single-celled organisms other than bacteria</p> <p>5. <input type="text"/><br/>small water-dwelling organisms that are a food source for marine and aquatic animals</p> | <p>6. <input type="text"/><br/>suppressing the production of urine</p> <p>7. <input type="text"/><br/>allowing some substances to pass through</p> <p>8. <input type="text"/><br/>a phylum of marine invertebrates with radially symmetrical bodies</p> <p>9. <input type="text"/><br/>a phylum of animals with segmented bodies and jointed legs</p> <p>10. <input type="text"/><br/>animals with advanced characteristics, such as mammals</p> |
|---|--|

