AV2 NONFICTION Activities

Map Activity

Follow the instructions to complete the activity.

NAME

DATE

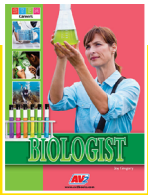
Using the information on pages 8–9 of the book, fill in the blanks with the name of the laboratory in each location. Use information found in the book and research online to briefly explain why each laboratory is important or unique.

1

2

3

4



STEM Careers

Biologist

Reference: Pages 8-9

AV2 NONFICTION Activities

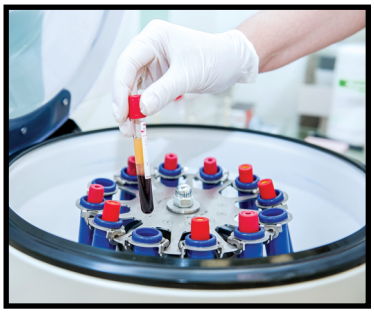
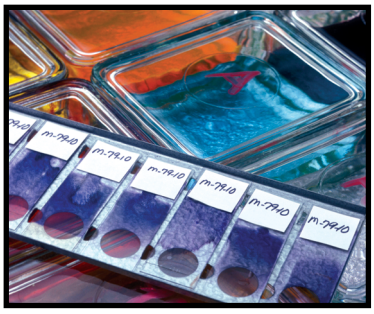
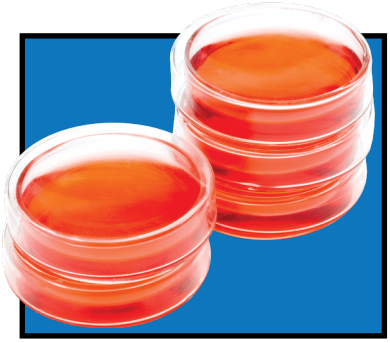
Tools of the Trade

Follow the instructions to complete the activity.

NAME

DATE

Using information found in the book, name each tool shown below and describe how it is used.

	Name	Description
		
		
		
		

STEM Careers

Biologist

Reference: Pages 14–15

AV2 NONFICTION Activities

True or False

Compare your quiz answers with the answer key below.

NAME

DATE

Using the information in *Biologist*, verify whether the following information is true or false. Check your answers in the book. List the page number where you found your information beside your answer.

Statement 1	The medical field is the #1 employer of biologists.	○ True ○ False	Page Number	
Statement 2	Zoologists are biologists who study tiny organisms, such as germs.	○ True ○ False	Page Number	
Statement 3	The United States has some of the world's largest biology labs.	○ True ○ False	Page Number	
Statement 4	Food decays faster in colder temperatures.	○ True ○ False	Page Number	
Statement 5	Johns Hopkins University has one of the most powerful microscopes in the United States.	○ True ○ False	Page Number	

AV2 NONFICTION Activities

Fill in the Blanks

Follow the instructions to complete the activity.

NAME

DATE

Using the information found in *Biologist*, fill in the missing information below.

1. Biologists working in the _____ field rely on technology to run tests for them.

2. Today, biologists help identify living organisms that are so small that a _____ is needed to see them.

3. Wildlife biologists work to maintain and _____ animal populations.

4. _____ dishes are shallow dishes made of glass or plastic.

5. Biologists also use technology to study _____ change and the impact it has on different organisms.

6. _____ and antibiotics make some diseases less deadly.

AV2 NONFICTION Activities

Know Your Numbers

Follow the instructions to complete the activity.

NAME

DATE

Using information from the book, select an answer from the right and write its letter in the box beside the statement to which it refers.

The STEM acronym was created in this year.		**A. 8.6**
By 2028, the number of STEM jobs in the United States is expected to increase by this percentage.		**B. 27**
Penicillin has saved about this many million lives.		**C. 2001**
About this percentage of people in biology-related careers are doctors, nurses, teachers, or college professors.		**D. 8.8**
Approximately this many million Americans work in STEM jobs.		**E. 200**

AV2 NONFICTION Activities

Key Words Match-Up

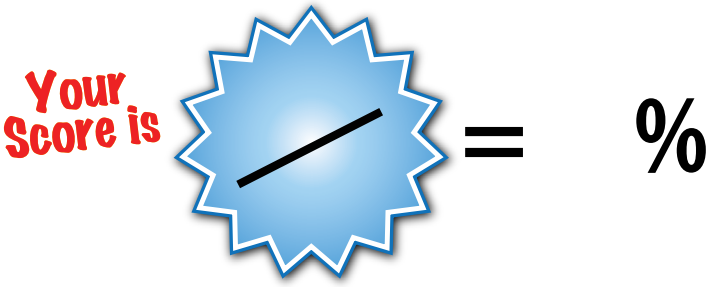
Write the words from the list below in the box above the correct definition for each word.

NAME _____

DATE _____

KEY WORDS

antibiotic	**experiments**
contagious	**habitat**
contamination	**microscope**
ecological	**pathogen**
electrons	**specimens**



1. _____
the act of infecting or soiling by contact

2. _____
a germ that causes disease

3. _____
a drug that kills or slows the growth of certain germs

4. _____
a machine that magnifies objects

5. _____
tests performed to discover or prove something

6. _____
related to the science of living organisms and their environment

7. _____
the place where an animal or plant usually lives

8. _____
the smallest of the particles that make up an atom

9. _____
capable of being spread from one organism to another

10. _____
samples or examples of something to be studied

AV2 NONFICTION Activities

Quiz

Test your knowledge by answering these quiz questions. .

NAME

DATE

1 What are the tweezer-like tools that are used to pick up pieces of a biology sample?

2 In which U.S. state do most biologists work?

3 What is the name of the first antibiotic?

4 Who created the acronym STEM?

5 What is the average salary of a biologist in the United States?

6 The microscope invented by Antonie van Leeuwenhoek magnified items to how many times their actual size?

7 By what percentage have STEM jobs in the United States increased since 1990?

8 Worldwide, how many deaths do vaccines prevent every year?

9 How many Americans hold biology-related jobs?

10 What is the name of the machine biologists use to separate a liquid specimen into its different parts?