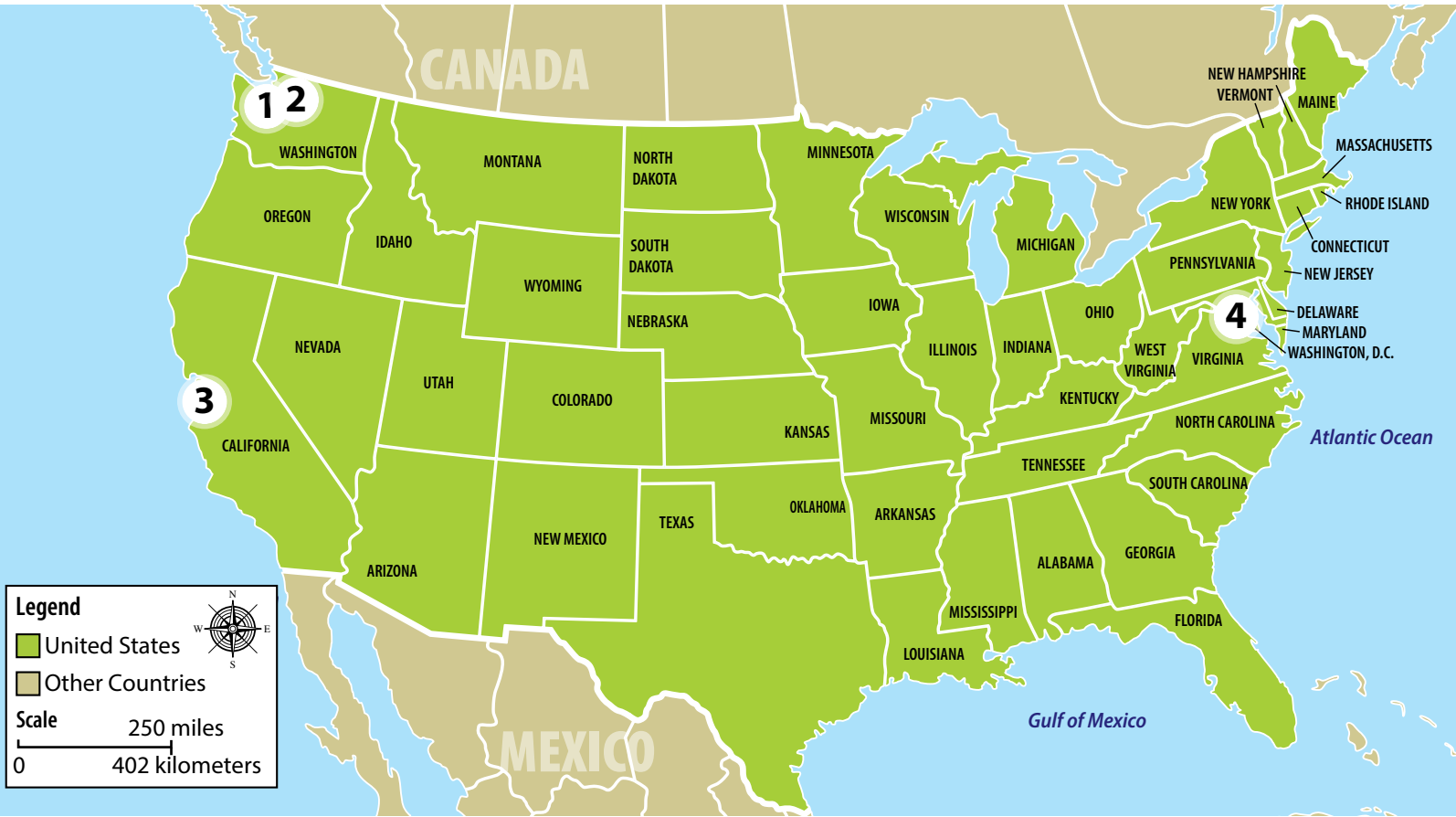


Using the information on pages 8–9 of the book, fill in the blanks with the name of the technology employer in each location. Use information found in the book and research online to briefly explain why each company is important or unique.



①

②

③

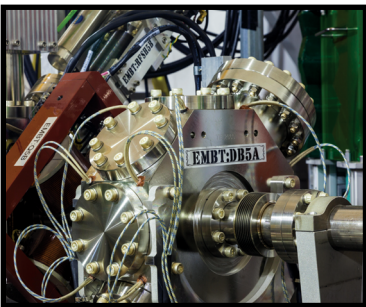
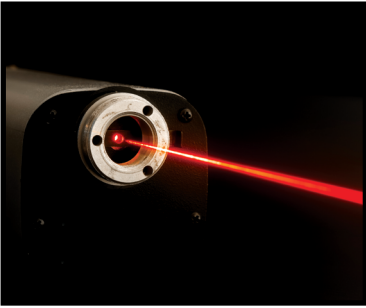
④



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

Name

Description



True or False

Follow the instructions to complete the activity.

NAME

DATE

Using the information in *Physicist*, 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

Fossil fuels are an energy source that will never run out.

True

False

Page
Number

Statement 2

Texas employs the most physicists. This is because there are many technology companies based in this state.

True

False

Page
Number

Statement 3

Physicists use plotting compasses to measure their location.

True

False

Page
Number

Statement 4

The median salary of a physicist in the United States is \$1,122,850.

True

False

Page
Number

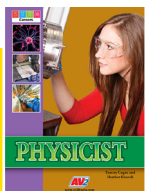
Statement 5

An astrophysicist is someone who studies objects and events in space.

True

False

Page
Number



Fill in the Blanks

Follow the instructions to complete the activity.

NAME

DATE

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

1. A particle accelerator breaks up into smaller pieces.
2. The telescopes in Spain have provided physicists with data about black holes, supernovas, and other phenomena in deep space.
3. Physicists may be invited to speak about their work at science conferences and public .
4. Most physicists work in where they use specialized equipment to gather information on matter and energy.
5. Working with technology on allows physicists to gain a deeper understanding of space.
6. A satellite may send messages to a physicist when it detects certain phenomena.



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.

Health care is one of the most popular STEM fields. Of the 9 million Americans employed in this field, this percentage are women.

A. 26

An x-ray delivers about this many million times more energy than a radio wave.

B. 75

People working in STEM professions typically earn this percentage more than people working in non-STEM jobs.

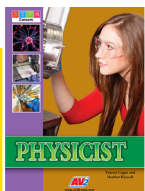
C. 0.01

Digital scales can measure an item's mass with an accuracy of 0.1 to this many grams.

D. 10

Only this percentage of people who train for STEM jobs are employed in them.

E. 52



Key Words Match-Up

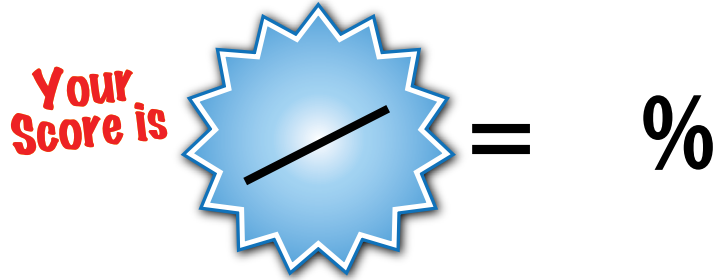
Write the words from the list below in the box above the correct definition for each word.

NAME

DATE

KEY WORDS

algebra	magnetic fields
doctoral degrees	matter
gamma ray	mechanics
genetic	supernovas
internships	theories



1.

stars that have exploded

2.

high-energy electromagnetic radiation

3.

areas under the influence of a magnetic charge

4.

a branch of mathematics that substitutes letters for numbers

5.

any type of material

6.

ideas that are intended to explain facts or events

7.

the highest level of college programs of study

8.

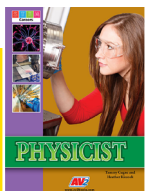
a branch of engineering dealing with motion and forces

9.

relating to heredity, or the sharing of traits

10.

positions in which students learn how a specific job works



Quiz

Test your knowledge by answering these quiz questions. .

NAME

DATE

1

What is physics?

2

Which U.S. state employs the most physicists?

3

What does an astrophysicist study?

4

What is the first step of the scientific method?

5

What is the purpose of a plotting compass?

6

Which form of electromagnetic radiation led to the discovery of DNA's structure?

7

In which country were balance scales first created?

8

At which school subject do many future physicists excel?

9

How many years of college does a physicist usually have to complete?

10

What percentage of university physics teachers in the United States are female?

