

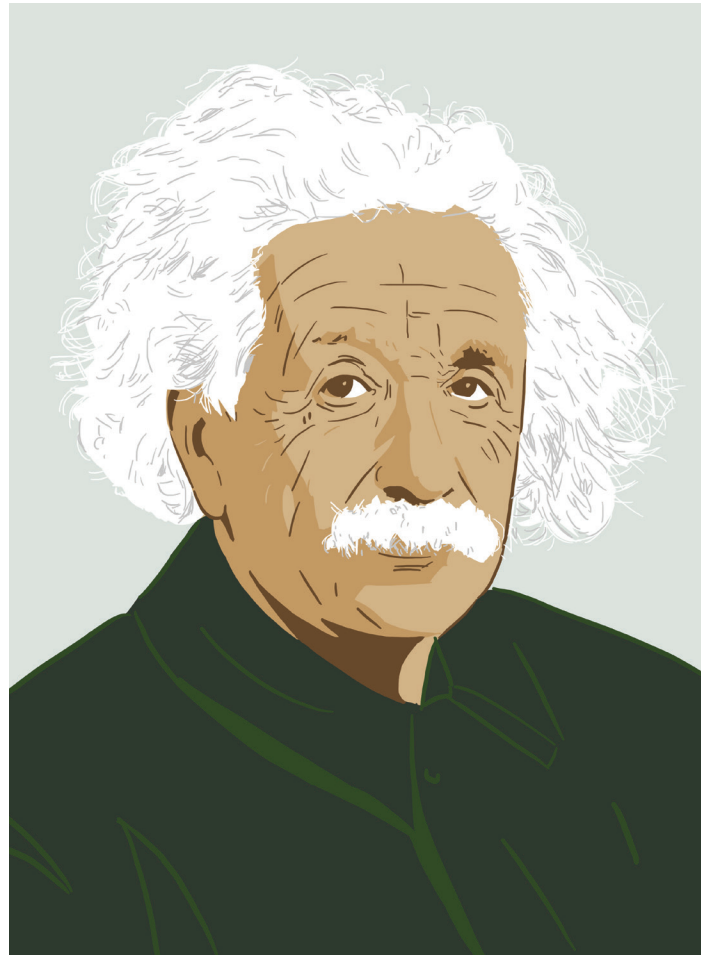
# Albert Einstein

*In this lesson, you will read about a world-famous physicist. You will learn and practice some related vocabulary and discuss the relationship between school grades and career success.*

## Pre-Reading

### A. Warm-Up Questions

1. How many different sciences can you name?
2. Do you know what Albert Einstein is famous for?
3. What is the science of physics?
4. Do you know which subjects the Nobel Prize is awarded for?



### B. Vocabulary Preview

Match the words on the left with the correct meanings on the right.

- |                     |  |
|---------------------|--|
| _____ 1. famous     | a) the study of something                              |
| _____ 2. grow up    | b) a talk for the purpose of teaching                  |
| _____ 3. graduate   | c) an idea given to explain something                  |
| _____ 4. patent     | d) known by many people                                |
| _____ 5. research   | e) to make someone believe or think, to persuade       |
| _____ 6. article    | f) to become an adult                                  |
| _____ 7. theory     | g) a connection  |
| _____ 8. relativity | h) to finish school with a diploma or degree           |
| _____ 9. lecture    | i) a piece of writing                                  |
| _____ 10. convince  | j) the exclusive right to make or sell a new invention |

## Reading

1. Albert Einstein was a world-famous physicist.
2. Einstein was born in Ulm, Germany, in 1879, but he **grew up** in Munich. As a young boy, he did not do well in school. He liked to study math, science, and philosophy at home by himself.
3. In 1895, Einstein's family moved to Milan, Italy. He stayed behind to go to school, but he soon left to join his family. Again, he studied at home on his own. But, in 1896, on his second try, he became a student at the Swiss Federal Institute of Technology. He studied math and physics, and he **graduated** in 1900.
4. In 1901, Einstein got a job in the **patent** office in Bern, Switzerland. When he wasn't at work, he did **research** on physics. In 1903, he married Mileva Maric.
5. In 1905, the University of Zurich gave him a PhD for an **article** he wrote on molecular physics. He wrote four other scientific papers that year. The most important one explained his **theory of relativity**.
6. Einstein became a professor of physics. He worked at universities in Prague, Zurich, and Berlin. His wife did not like Berlin, so she and their sons went back to Switzerland. Einstein and his wife divorced in 1919. Later that year, he married again.
7. In 1915, Einstein finished his theory of relativity. In 1919, the scientists in the Royal Society of London said they agreed with his theory. This made Einstein very **famous**. He gave **lectures** on relativity around the world. In 1921, he won the Nobel Prize for Physics. He worked on theories of physics for the rest of his life.
8. Einstein did not believe in war. When the Nazis gained power in Germany in 1933, he gave up his German citizenship and moved to the United States. Einstein was very upset when the United States used an atomic bomb to end the Second World War. After that, he spent much of his time trying to **convince** people that an atomic bomb should never be used again.
9. Einstein died in Princeton, New Jersey, in 1955.

*"Imagination is more important than knowledge."*

—Albert Einstein

# Comprehension

## A. True or False?

Read the statements below.

If the statement is true, write T beside the sentence.

If it is false, write F and correct the information.

- \_\_\_\_\_ 1. Albert Einstein was an excellent student when he was in school.
- \_\_\_\_\_ 2. Einstein preferred to study by himself.
- \_\_\_\_\_ 3. Einstein studied mathematics.
- \_\_\_\_\_ 4. Einstein was a professor of philosophy.
- \_\_\_\_\_ 5. Einstein did not believe in war.

## B. Ask and Answer

Practice asking and answering the following questions with your partner.

Then write your answers in complete sentences in your notebook.

- 1. Where was Einstein from?
- 2. What did Einstein like to study?
- 3. When did Einstein graduate from the Swiss Federal Institute of Technology?
- 4. What did Einstein like to do when he wasn't working at his job?
- 5. What was Einstein's most important theory?
- 6. From which university did Einstein receive his Ph.D. degree?
- 7. Why did Einstein move to United States?
- 8. How did Einstein spend much of his time after the Second World War?

## Vocabulary Review

### A. Complete the Sentences

Complete the sentences using vocabulary from page 1.  
You may need to change the word forms.

1. The professor gave a very interesting \_\_\_\_\_ in class today.
2. She was born in England, but she \_\_\_\_\_ in Canada.
3. Today many scientists are doing \_\_\_\_\_ to try to find a cure for cancer.
4. She doesn't want to move to a new city, but her husband is trying to \_\_\_\_\_ her.
5. He wrote a very interesting \_\_\_\_\_ for the school newspaper.

### B. Matching

Match the subjects on the left to the correct meanings on the right.

- |                      |   |
|----------------------|---|
| _____ 1. mathematics | a) the study of what substances are made of                       |
| _____ 2. physics     | b) the study of plants and animals                                |
| _____ 3. biology     | c) the study of numbers   |
| _____ 4. chemistry   | d) the study of problems concerning the nature of man             |
| _____ 5. geography   | e) the study of matter and energy, such as heat, light, and sound |
| _____ 6. philosophy  | f) the study of the earth's surface, climate, and population      |

## Discussion

1. Have you ever studied physics?
2. What subjects do you like to study?
3. Do you think Einstein's parents were upset when he did not do well in school?
4. Do you think it is necessary to do well in school in order to succeed in life?
5. Why do you think Einstein spent the last years of his life trying to convince people not to use the atomic bomb?