



A LOOK AT ...

Inventions and Discoveries

Inventions and Discoveries traces the history and development of objects and ideas that have changed how we live, from the discovery of fire to the development of the Internet.

What did you learn?

QUESTIONS

1. The atomic bomb was created during ...
 - a. The Vietnam War
 - b. The American Civil War
 - c. World War I
 - d. World War II
2. The name of the inventor whose light bulb was the first to be produced on a large scale was ...
 - a. Henry Ford
 - b. Thomas Edison
 - c. Alexander Graham Bell
 - d. Nikola Tesla
3. The first antibiotic was ...
 - a. Cephalosporins
 - b. Tetracyclines
 - c. Penicillin
 - d. Aminoglycosides
4. The first all-purpose computer was built in ...
 - a. 1940
 - b. 1942
 - c. 1944
 - d. 1946
5. What is a *patent*?
6. When was the Industrial Revolution?

TRUE OR FALSE?

- | | |
|--|---|
| _____ 1. A discovery is the creation of something that never existed before. | _____ 4. Louis Pasteur proved that germs are living things and that some can cause disease. |
| _____ 2. More than 2,000 years ago, the Chinese invented paper. | _____ 5. The first television broadcast was made in the United States. |
| _____ 3. The Renaissance lasted from about 1300 to 1600 in Europe. | _____ 6. The word Internet is short for "interconnected network of networks." |

ANSWERS

- 1. d. World War II.** According to section "Why People Invent" on page 9, we know that "During World War II (1939–1945), scientists invented the atomic bomb, the single most destructive weapon ever used." So, the correct answer is D.
- 2. b. Thomas Edison.** According to section "Electric Power Switches On" on page 32, we know that "Edison's screw-in lightbulb was the first light bulb to be produced on a large scale." So, the correct answer is B.
- 3. c. Penicillin.** According to section "Medical Process" on page 44, we know that "Penicillin became the first antibiotic." So, the correct answer is C.
- 4. d. 1946.** According to section "Computers" on page 52, we know that "The first all-purpose computer was built in 1946." So, the correct answer is D.
- 5.** According to page 62, a *patent* is a legal right given to an inventor, protecting a new invention from being copied by others.
- 6.** According to page 62, the Industrial Revolution was in the late 1700's and early 1800's.

TRUE OR FALSE? ANSWERS

- 1. False.** According to section "Introducing Inventions and Discoveries" on page 4, we know that "An invention is the creation of something that never existed before." So, the correct answer is False.
- 2. True.** According to section "The Spread of Knowledge" on page 16, we know that "More than 2,000 years ago, the Chinese invented paper." So, the correct answer is True.
- 3. True.** According to section "The Age of Ideas" on page 20, we know that "A time of new ideas and exploration flourished in Europe from about 1300 to 1600. This period is called the Renaissance—a Latin term meaning 'rebirth.'" So, the correct answer is True.
- 4. True.** According to section "Medical Progress" on page 42, we know that "In the late 1800's, the French scientist Louis Pasteur proved that germs are living things and that some germs, such as certain bacteria, can cause disease." So, the correct answer is True.
- 5. False.** According to section "The Television Age" on page 49, we know that "The first television broadcast was made in 1936 by the British Broadcasting Corporation (BBC) in the United Kingdom." So, the correct answer is False.
- 6. True.** According to section "The Internet" on page 56, we know that "Internet is short for 'interconnected network of networks.'" So, the correct answer is True.