

5. Translate using essential vocabulary items.

Джерело натхнення, велика цікавість до науки, зробити важливе відкриття, корисний для здоров'я, вигадати історію, трохи змінити план, вирішити складну проблему, вражаючий результат, дізнатися більше інформації, наукове дослідження, знайти натхнення для нового проєкту, природна цікавість до того, як працюють речі, відкрити щось нове завдяки дослідженню, мати корисний вплив на навколишнє середовище, вигадати пояснення ситуації, значно змінити початкову ідею, знайти спосіб вирішити проблему, справити враження своїм виступом, намагатися дізнатися правду, проводити наукові експерименти.

Reading

6. Read the text and choose the best title to it.

- a) Inventions throughout Time;
- b) Inventions that Changed the Modern World.
- c) Life Back and Now.

Word focus

Arduous: difficult and tiring;

Tedious: too long, slow, monotonous;

Just a few hundred years ago, life was far different than **it** is today.

When people wanted to travel or communicate, they had to go on foot or horseback. A journey of just a few miles by this method could be a long, arduous process; it certainly wasn't **as easy-as-pie**. Whatever people owned – from clothing to tools – had to be made by hand. Work was manual, laborious, and often tedious. Illness was a constant threat; diseases rapidly spread through unsanitary conditions and were difficult to treat with



the rudimentary medicines available.

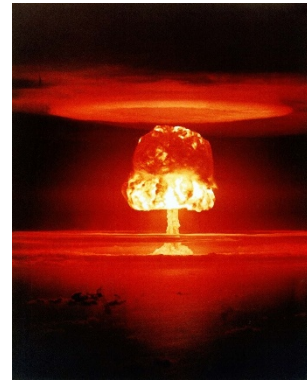
Life has been transformed over the years through the efforts of the men and women **who** had the brilliance, diligence, and **curiosity** **to discover** new and better ways of

doing things. Alexander Graham Bell was **inspired by** the idea of

transmitting sound through a wire from the speaker to the listener. The realization of this idea gave birth to the telephone, which ultimately led to the cell phone, fax machine, modem, and a communication system that now links the entire globe.

These inventions, like many others, have clearly been **beneficial** by keeping people healthier, helping them to communicate and work more efficiently, and allowing them to travel farther. X-rays allowed doctors to look inside the human body to treat disease and injury. The electric light illuminated the darkness so people could **burn the midnight oil**. Braille made it possible for blind people to read.

Other inventions were controversial because of their potential for destruction. Edward Teller, father of the hydrogen bomb, was described by one scientist as being one of the “most thoughtful statesmen of science.” However, another **scientific** person referred to Teller as “a danger to all that’s important,” and claimed that the world would have been better off without **him**.



Even the most **impressive**, groundbreaking and world-changing inventions were not always recognized as such when they were introduced to the public. When Rutherford B. Hayes saw a demonstration of Alexander Graham Bell’s telephone in 1876, the president’s response was less than enthusiastic. “*That’s an amazing invention, but who would ever want to use one of them?*” he scoffed.

Sometimes it was the inventor’s own necessity **that** gave birth to invention. The old saying, “Necessity is the mother of invention,” couldn’t be more true.

7. Read the text again. Are these sentences true (T) or false (F) or is the information not mentioned (NM) in the text?

1) Alexander Graham Bell invented X-rays.

- 2) X-rays enabled doctors to operate inside the human body.
- 3) When first demonstrated to the public, Alexander Graham Bell's was highly praised.
- 4) The electric light illuminated the darkness so people couldn't work at night.
- 5) Braille made it possible for blind people to write.

8. Answer the questions after the text.

- 1) Explain the adage: "Necessity is the mother of invention".
- 2) Why did some inventions create controversy?
- 3) How does the author describe the men and women who changed our lives?
- 4) What was Rutherford B. Hayes reaction to Bell's invention?
- 5) How was the Father of the H-bomb regarded by scientists of his time?

9. Match the phrases in bold from the text with definitions given below.

- a. to work or study very late at night
- b. something that is very easy to do
- c. a strong desire to know or learn something
- d. to find something new or learn about it for the first time
- e. to feel motivated or influenced by something or someone
- f. helpful or good for you
- g. related to science or based on science
- h. something that makes you feel admiration or respect

10. Find in the text synonyms to:

- a) trip (1§); b) possessed (1§); c) perseverance (2§); d) need (6§).

11. Find in the text antonyms to:

- b) similar (1§); b) easy (1§); c) light (3§); d) complex (1§).