

Topic: Inventions

Discussion: Progress is made by lazy men looking for easier ways to do things.

Ex. 1, 2 p. 9

Match words with definitions and translate each vocabulary unit.

Reading: Ex. 3-9 p. 10-12 Ex. 11 p. 13 (groupwork)

Homework: presentation Ex. 14 p. 13

**Resources:**

“English” for first year students : навч.-метод. посіб. для студ. всіх спец. вищ. навч. закл.  
/ І.С. Ковальчук, О.Б. Сивак.

Longman Dictionary <https://www.ldoceonline.com/>

***Match words with their definitions.***

1. inspiration	a) having a good effect
2. curiosity	b) to find out something that you did not know about before
3. suggestion	c) to prepare something
4. to discover	d) to find or provide a way of dealing with a problem
5. to modify	e) to get information, after trying to discover it or by chance
6. to solve	f) a good idea about what you should do, write, say etc, especially one which you get suddenly
7. beneficial	g) to turn on a machine, light, radio
8. scientific	h) an idea, plan, or possibility that someone mentions, or the act of mentioning it
9. to make smth up	i) about or relating to science, or using its methods
10. to switch on	j) the desire to know about something
11. to find out	k) to make small changes to something in order to improve it and make it more suitable or effective

**Objective:** to activate students' background knowledge



# Inventions

*Progress is made by lazy men  
looking for easier ways to do things*

*Robert A. Heinlein*

## Warming-up

**1. Work individually. Compare the photographs and say what you think the people will learn from the activity they are doing? Which of these activities would you prefer to be doing?**



### Useful expressions:

*Both pictures show ... ..  
Whereas (while) in this picture..., in this picture ...  
Perhaps / It seems like / They might have / It could  
be that*

## Essential vocabulary

<u>Nouns</u>	<u>Verbs</u>	<u>Adjectives</u>	<u>Phrasal verbs</u>
inspiration (n)	to discover (v)	beneficial (adj)	to make smth up
curiosity (n)	to modify (v)	scientific (adj)	to switch on / off
suggestion (n)	to solve (v)	impressive (adj)	to find out
<u>Phrases related to inventions</u>			
Re-invent the wheel – waste time doing smth that has already been done in an effective way)			
As easy-as-pie / a piece of cake – something simple or easy			
Burn the midnight oil – study or work all night			

**2. Make up sentences of your own with words and word-combinations from essential vocabulary.**

### Reading

**3. 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;

To come up with: to suggest or think of an idea or plan



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. 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 creativity to come up with new and better ways of doing things. Alexander Graham Bell's fascination with the idea of sending sound down a wire from the speaker to the listener 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 improved life 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 work at night. 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 scientist 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 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.

**4. 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.



**5. 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?

**6. What or who do the underlined words refer to in the text?**

- a) than **it** is today (1§);
- b) without **him** (4§);
- c) necessity **that** gave (6§).

**7. Find in the text synonyms to:**

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

**8. Find in the text antonyms to:**

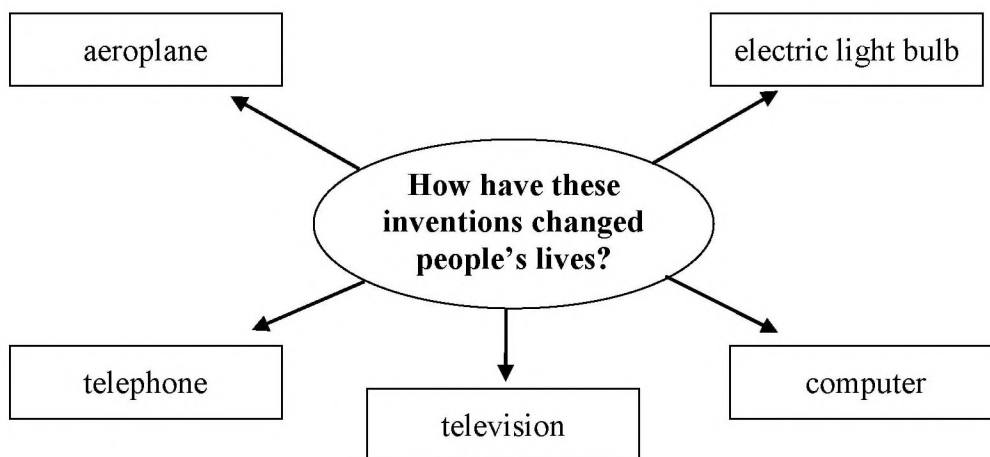
- a) similar (1§);    b) easy (1§);    c) light (3§); d) complex (1§).

**9. Complete the chart as shown.**

Noun	Verb	Adjective
	To travel	
Invention Inventor		
		Different
	Communicate	
Creativity		

**Writing**

**10. Write an essay discussing two of the inventions that changed people’s lives. You should explain which invention has changed more, giving reasons in support of your answer. Write 220-260 words in appropriate style.**



### *Speaking*

#### **11. Think about your answers to these questions.**

1) Which modern invention could you not live without? Explain your choice. How has technology improved our daily lives? Give examples and explain the advantages of technological advances.

2) What things should never have been invented? Why? Can you think of any disadvantages of technology?

3) What could never be replaced by technology? Explain why not.

4) What would you like to see invented in the future? Explain why.

5) In your opinion, which invention has had the greatest impact on society in the last 100 years? Explain your choice.

**12. Describe an important invention that you think has positively influenced the human race. You should say:**

- what the invention is;
- who invented it;
- what changes it brought;

and explain how it has positively influenced the human race.

**13. Work with a partner. Discuss the quotation given at the beginning of the Unit 1.**



<p><b><u>Ways to include your partner in the discussion</u></b></p> <ul style="list-style-type: none"> <li>• ... don't you agree?</li> <li>• ... or do you have a different opinion?</li> <li>• ... or maybe you know more about it?</li> <li>• What's your idea?</li> <li>• What do you think?</li> </ul>	<p><b><u>Ways to agree or disagree</u></b></p> <ul style="list-style-type: none"> <li>• I fully agree because...</li> <li>• Yes, that's right. And...</li> <li>• You're partly right, but...</li> <li>• I see exactly what you mean!</li> <li>• I'm not so sure about that, because...</li> </ul>
<p><b><u>Delaying tactics/stalling for time</u></b></p> <ul style="list-style-type: none"> <li>• Well, now, let me see</li> <li>• Let me think ...</li> <li>• Oh, what a great question!</li> <li>• Well that's something I've never really thought about but, on reflection, I'd say that...</li> </ul>	<p><b><u>Ways to interrupt</u></b></p> <ul style="list-style-type: none"> <li>• Can I add something here?</li> <li>• Is it okay if I jump in for a second?</li> <li>• If I might add something ...</li> <li>• Sorry to interrupt, but ...</li> </ul>

### *Home project*

**14. Make ppt presentation about an inventor who has a great contribution to the world. Choose inventors from countries given below.**

<p style="text-align: center;"><b>CANADA</b></p> 	<p style="text-align: center;"><b>The UK</b></p> 
<p style="text-align: center;"><b>AUSTRALIA</b></p> 	<p style="text-align: center;"><b>NEW ZEALAND</b></p> 
<p style="text-align: center;"><b>THE USA</b></p> 	<p style="text-align: center;"><b>UKRAINE</b></p> 