

Задание выполняется на листе формата А4.

Practical work 1.

Science and Technology.

"O" Task 1. Read and translate international words.

1. Infectious, nanotechnology, alchemy, philosophy, politician, majority, era, aspirin,
2. revolutionary assembly method, accurate, phenomenon, realize, chemistry, revolutionize,
3. mechanical engineering, chemical composition, capsule, physiology, commercialize, virus,
4. mixture, manufacturing, energy efficiency, decade, physician, receipt, conductor, correspondence

"O"& "W" Task 2. Read and translate word statements.

1. Seismic exploration, international investigation, application for a job, a breakthrough in civil engineering,
2. refer to the list, household utensils, deal with a problem, carry out research, take a shape,
3. communications satellite, pseudoscience astrology, importance of explorations, modern technologies,
4. nuclear physicists, agricultural scientists, effective fertilizers, information era, embrace and adapt to these technologies,
5. information concerning money, switch on the machine, in the first turn, conduct investigation, take a shape.

"W" Task 3. Read the text «The role of science and technologies in our life» (ex.17, p. 255). Answer the questions before the text (ex.16, p. 255). Put the main ideas (a-e) in the same order as they are in Text 11A (ex.23, p. 257)

"W" Task 4. Fill in the table with necessary forms of word, translate them.

Noun	Verb	Adjective	Adverb
+	develop		
		slow	+
+	include	+	+
Science +		+	
+	environ	+	
+	manage	+	
+		Efficient	+

SECTION 3

READING AND DISCUSSION

16. What do you know about science and technology? Before you read Text 11A "The Role of Science and Technology in Our Life", discuss these questions with your classmates or teacher.

- a) What do science and technology cover?
- b) How are science and technology related?
- c) Are science and technology part of every aspect of our lives?
- d) How have science and technology changed our lives?
- e) What are harmful effects of scientific and technological achievements?
- f) What do the uses that people choose to make of scientific knowledge determine?

17. Read Text 11A to find out if you are right or wrong. Use the introductory phrases given in Unit 1.

Text 11A

The Role of Science and Technology in Our Life

To understand and explore the importance of science and technology in our daily lives, let us first start by defining the terms *science* and *technology*. Science covers the broad field of knowledge that deals with observed facts and the relationships among those facts. Technology refers to the use of tools, gadgets and resources that help us control and adapt to our environment. The term also refers to the use of machines and utensils which make our daily lives simpler and more organised.

The scientific revolution that began in the 16th century was the first time that science and technology began to work together. Today, science and technology are closely related. Many modern technologies such as space flights or nuclear power depend on science and the application of scientific knowledge and principles. In turn, technology provides science with up-to-date instruments for its investigation and research. Science provides the basis of much of modern technology.

Science and technology are part of almost every aspect of our lives. Although we rarely think about it, they make extraordinary things possible. At the flick of a switch, we have light and electricity. When we are ill, science helps us get better. Science and technology create ways to improve our future.

Modern science and technology have changed our lives in many dramatic ways. Airplanes, automobiles, communications satellites, computers, plastics, and television are only a few of the scientific and technological inventions that have transformed human life. Research by nuclear physicists has led to the development of nuclear energy as a source of power. Agricultural scientists have developed better varieties of plants and highly effective fertilizers. The development of antibiotics and other new drugs has helped to control many infectious diseases. And now we live in the information era when the computer network embraces the globe and connects not only the countries and space stations but a lot of people all over the world. All these things prove the power and the greatest progressive role of science and technology in our life.

Although scientific and technological achievements have benefited us in many ways, they have also created serious problems. The rapid growth of industrial technology, for instance, has resulted in such grave effects as environmental pollution and fuel shortages. Breakthroughs in nuclear research have led to the development of weapons of mass destruction. Some people fear that biological research will produce new disease-causing bacteria or viruses that resist drugs. People are also concerned that computerized information systems may destroy personal privacy.

But science itself is neither good nor bad. The uses that people choose to make of scientific knowledge determine whether that knowledge will help or harm society.

18. Add some more sentences confirming the following statements.

1. Science covers the broad field of knowledge. 2. Technology refers to the use of machines and utensils. 3. Science provides the basis of much of modern technology. 4. Science and technology make extraordinary things possible. 5. Science and technology play the greatest progressive role in our life. 6. Scientific and technological achievements have also created serious problems. 7. Science and technology are neither good nor bad.

19. Find in Text 11A the paragraph about the achievements of modern science and technology and translate it into Russian.