

Read and choose the best answer:

Many researchers and scientists are working to improve people's lives through scientific progress. They conduct experiments and make observations to understand how things work, and their work leads to useful inventions. In recent years, digital communication has changed how people connect with each other, bringing many conveniences. The key to success in developing these technologies is combining careful study with practical needs. For example, face recognition and fingerprint scanner - part of biometrics - are common tools that bring benefits to daily life, from unlocking phones to securing offices. These inventions do not happen by chance; they require time, effort, and creativity to create.

1. What do scientists and researchers do to gain new knowledge?
 - A. Use digital communication
 - B. Conduct experiments and make observations
 - C. Sell inventions to people
 - D. Connect with other researchers
2. What does the text say about digital communication?
 - A. It is a type of biometrics
 - B. It was invented by accident
 - C. It brings conveniences to people's lives
 - D. It is only used in offices
3. What is "biometrics" in the text?
 - A. A group of tools including face recognition and fingerprint scanner
 - B. A method for conducting scientific experiments
 - C. A type of digital communication
 - D. The key to success in all inventions
4. How do inventions like face recognition come about?
 - A. They are found without effort
 - B. They are created through hard work and creativity
 - C. They are copied from old tools
 - D. They are only used by scientists
5. According to the text, what is the key to success in developing new technologies?
 - A. Making observations without experiments
 - B. Combining study with practical needs

- C. Using only modern tools
 - D. Rushing to create new things
6. What benefits do biometrics tools bring?
- A. They help people communicate faster
 - B. They improve the safety of personal items and spaces
 - C. They replace all digital communication
 - D. They make experiments easier for scientists

2. Complete

create, scientists, experiments, conveniences, digital communication, inventions, make observations, biometrics

Read the text and fill each blank with one word from the list:

Many (1) _____ around the world spend their days doing (2) _____ to discover new things. When they (3) _____ carefully, they get ideas to (4) _____ new tools that help people. One of the most important changes in modern life is (5) _____, which brings great (6) _____ to how we connect. The (7) _____ tools, like fingerprint scanners, are also popular inventions that (8) _____ safer daily experiences for everyone.

Read and choose the suitable words to complete

Scientists and researchers work to make scientific through careful study. They start with questions about how things work, then make When they analyze results from these tests, they can find ways to _____ new tools. Over time, their work leads to useful _____ - like the internet or fingerprint scanners. These inventions often use _____ such as face recognition, eye tracking to identify people, which adds safety to daily tasks. The key for these tools is to _____ benefits without losing the conveniences of simple, easy use. Many people use digital communication every day, and this technology is a great example of how hard work can bring real _____ to life.

Complete the sentences with the words in the box

benefits - create - discovery - explore - experiments

invention - observations - progress - Science - technology

1. My brother is very good at natural_____ subjects such as Chemistry and Physics.
2. Simply speaking_____, is the tools and machines that help to solve problems.
3. The scientific method is a way to ask and answer scientific questions by making _____and doing experiments.
4. While scientists study how nature works, engineers _____new things, such as Products, websites environments, and experiences.
5. In Science, you should repeat your_____ several times to make sure that the first results weren't just an accident.
6. Scientific_____ brings us many conveniences and advanced machines, such as computers, automobiles, and so on.
7. There are many _____of technology in the classroom, especially as students are becoming increasingly digitally literate.
8. The_____ of penicillin is very useful because it has saved lots of lives.
9. The key individual is responsible for the_____ of the double helix structure of DNA were Francis Crick and James Watson.
10. Scientists are planning to send people to_____ Mars in the near future.

III. Give the correct form of the word given to complete the sentences.

1. There is still room for_____ in your work. IMPROVE
2. Today scientific progress is mostly defined in terms of_____ advancements. TECHNOLOGY
3. The first experiment was_____, so we need to do another one. SUCCEED
4. A_____ is a scientist who studies the solid and is quid matter that constitutes the Earth. GEOLOGY
5. The U.S_____ of the Moon began with the Ranger 4 impactor in 1962. EXPLORE
6. A nuclear power reactor_____ could provide assistance with the loading and unloading of nuclear fuel. OPERATE

7. The study points out that many people's health has been affected from bathing in or drinking _____ water. PURE
8. Thousands of _____ are used in everyday Products -in our water, our food and in the air we breathe. CHEMISTRY
9. _____ in Japan have found that human ageing may be able to be delayed or even reversed. RESEARCH
10. Here are several _____ proven studies that describe how to keep fit SCIENCE

V. Change the sentences into reported speech.

1. I want to become a scientist when I grow up," Nam said,

2. "I cannot go to the Science class tomorrow morning," said Hoa.

3. "They have studied this kind of plant for two months," she told us.

4. "We don't open the laboratory today," Mr. Vinh said.

5. "You may be late for the workshop this afternoon," I told Mary.

6. "I didn't teach Earth Science last year," said Dr. Thomas.

7. "We will start collecting the data next month," Minh said to me.

8. "My sister isn't leaving for London tonight," said Jane.

Fill each blank with a correct word to finish the passage.

No more teachers? No more books? For today's kids, the Internet has all the answers.

Gadgets come and go and most of them don't have a very long life. The Internet, (1)__, seems to be here to stay. The World Wide Web is now the largest information (2)__ in the world and teenagers can find more or less anything they want there.

They can (3) music and films, watch TV, listen to the radio, send e-mails and even shop Online. In the United States for example, more than 78% of kids go

(4) _____ , according to a recent study. A lot of them are just (5) _____ the Web and instant messaging their friends.

1. A. moreover B. because C. however D. although
2. A. resource B. technology C. informatics D. generation
3. A. play B. discover C. oversee D. download
4. A. Chat B. Online C. forum D. connect
5. A. looking B. surfing C. diving D. watching

But 94% of those Online said they also used it (6)_____ schoolwork. This technology has allowed them to (7) _____ a vast store of knowledge which was inaccessible before. With Online tutoring and Virtual schools, technology (8) _____students to get specific help. It is also possible to be a part of a study (9)_____ or discuss school projects with international e-mail pals. Perhaps more than anything, the Internet search engine Google has changed homework (10)_____ across the globe. But the problem is that it is so easy to “copy and paste” that teachers need to change homework assignments or projects every year.

6. A. in B. on C. with D. for
7. A. access B. enrich C. upload D. inform
8. A. makes B. allows C. creates D. opens
9. A. group B. commune C. book D. land
10. A. customs B. vocations C. habits D. traditions

VIII. Each the following passage and answer the questions

Inventions That Changed Our World

People have been inventing things for years. Paper was invented about 2,000 years ago. The wheel was invented more than 5,000 years ago. What would life be like without paper to write on or bikes to ride? Those inventions have made life easier.

Airplane

The Wright Brothers invented the first airplane in December 1903. That makes 2003 the 100th anniversary! Before the airplane was invented, most people traveled by cars, boats, and trains. Today, airplanes help people travel faster. How do airplanes help you?

Telephone

Alexander Graham Bell invented the telephone in 1876. Before the telephone was invented, people kept in touch by writing letters or talking in person. Today the telephone makes it easier for people to talk to one another. How do telephones help you?

Automobile

The first four-wheeled gas-powered car was invented by Karl Benz in 1891. Before people had cars, they couldn't travel easily. They walked or rode horses for short trips. They took trains or boats for long trips. Today cars are one of the main ways people travel. How do cars help you?

Computer

People worked for years to make the first Computer. It was built in 1946. The first Computer was called ENIAC. Today computers are an important part of many people's lives. People use computers as tools to write, get information, and much more. How do computers help you?

1. Which of the following are two inventions in the passage that were invented before 1900?

- A. the telephone and the car
- B. the car and the Computer
- C. the Computer and the airplane
- D. the airplane and the telephone

2. What do all the inventions described in this text have in common?

- A. All these inventions were invented in the twentieth century.
- B. All these inventions were invented by Americans.

- C. All these inventions made people's lives easier.
D. All these inventions changed how people travel.
3. It can be inferred from the passage that ,
A. the Wright Brothers spent a long time trying to invent the airplane
B. someone had the idea to invent the Computer in the 1940s or early 1950s
C. Karl Benz didn't like to walk or ride horses for short trips
D. Alexander Graham Bell wrote many letters in his lifetime
4. What does the word anniversary in the second paragraph most nearly mean?
A. an interesting idea
B. an event
C. a statement of fact
D. a celebrated date
5. The primary purpose of this passage is to describe .
A. the invention of the airplane in December 1903
B. some inventions that have made a big difference
C. some ways that computers help make our lives easier
D. the reasons that Karl Benz invented the gas-powered car
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