

USA Contribution into the World Science

I. Read the text

Without doubt, people's lives would be very different without the inventions of Thomas Edison, Watson & Crick and many more scientists. These prodigious creators changed the world's culture in countless ways with the seemingly miraculous discoveries and inventions that flooded out the USA.

Invention of computers was one of the highest forms of development that the USA's high-tech industry gave the world; this area defines the progress of high-tech world as a whole even today. When the Wright brothers designed and piloted the first airplane in 1903 a lot of things were put into fast motion. As early as 1929 when Edwin Hubble proved the existence of a galaxy over one million light-years away, it was an impressive introduction of technology into mainstream astronomy.

The USA gave the world some of the greatest programmers, scientists, biologists and physicists. Just recently, an American shared the Nobel Prize in medicine for understanding the excruciating details of the human immune system. Other three won the Nobel Prize in physics for toppling the conventional knowledge about our universe. Two more Americans were awarded the Nobel Prize in economics. 31 out of 100 top universities in the world are in the United States.

The future holds fusion energy, genomics, and biotechnology breakthroughs that could help battle cancer. Advances in artificial intelligence technologies hold great promise. President Barack Obama's initiative to fund brain research has provided a renewed hope of conquering the final frontier of science, the mystery of the human mind. As a future climate and energy catastrophe looms over the world, finding efficient renewable energy alternatives is a prime focus area for the country.

The contributions of the US great minds of science, who have made our world a better place, is great. American science continues its development as it stands on the shoulders of giants.

II. Questions:

1. Which high-tech industry contribution defined the progress of the world according to the text?

- A. Invention of airplanes
- B. Development of the human immune system
- C. Introduction of fusion energy
- D. Invention of computers

2. What did Edwin Hubble prove in 1929 that impressed the mainstream astronomy community?

- A. Existence of a galaxy over one million light-years away
 - B. Discovery of a new planet in our solar system
 - C. Creation of a new star system
 - D. Invention of a powerful telescope
3. How many Americans were awarded the Nobel Prize in economics according to the text?
- A. One
 - B. Two
 - C. Three
 - D. Four
4. What is the President Barack Obama's initiative that provided hope for conquering the mystery of the human mind?
- A. Brain research funding
 - B. Climate change regulations
 - C. Energy conservation programs
 - D. Renewable energy research
5. What is the prime focus area for the United States in light of the future climate and energy catastrophe mentioned in the text?
- A. Genomics breakthroughs
 - B. Biotechnology advancements
 - C. Renewable energy alternatives
 - D. Artificial intelligence technologies
6. How is American science described in the text in terms of its development?
- A. Stagnant
 - B. Revolutionary
 - C. Declining
 - D. Traditional

III .Answer the questions:

1. How did the invention of computers by the USA impact the high-tech industry worldwide?

2. What significant event occurred in 1903 that put many things into fast motion?
3. Who proved the existence of a galaxy over one million light-years away in 1929, and what was the significance of this discovery?
4. What recent achievements have Americans made in the field of medicine and physics, as mentioned in the text?
5. How many of the top 100 universities in the world are located in the United States, according to the text?
6. What areas of science does the future hold breakthroughs in, according to the text?