

Science: An Endless Resource

Our future demands investment in our people, institutions and ideas. Science is an essential part of that investment, an endless and sustainable resource with great dividends. The Government should accept new responsibilities for promoting the flow of new scientific knowledge and the development of scientific talent in the youth. These responsibilities are the proper concern of the Government, for they vitally affect health, jobs and the development of the society.

The return from public investments in fundamental science has been enormous, both through the knowledge generated and through the education of scientific and technical workforce. Discoveries in mathematics, physics, chemistry, biology and other fundamental sciences have been driven by important advances in engineering, technology, and medicine.

Recognition of science as the foundation of a modern knowledge-based technological society is essential. Scientific strength is a treasure which we must keep and build on for the future.

To fulfil our responsibility and ensure that our children can compete in the global economy, we must invest in the development of science. That means we must provide physical infrastructure that facilitates world class research, including access to cutting-edge scientific instrumentation and to world-class information and communication systems. We must provide the necessary educational opportunities for each of our citizens. Failure to exercise our responsibility will place our children's future at risk.

Science is an endless resource: our knowledge of the physical and living world constantly expands. The unfolding secrets of nature provide new knowledge to address crucial challenges. These include improving human health, creating breakthrough technologies that lead to new industries and high quality jobs, enhancing productivity with information technologies and improved understanding of human interactions, protecting and restoring the global environment and providing energy for a growing population.

The challenges of the twenty-first century require sustained development of scientific research and education.

Tasks to the text “Science: an endless resource”

- I. Learn the following words and word-combinations
1. to sustain – поддерживать, обеспечивать
sustained / sustainable – устойчивый
 2. to promote – содействовать, продвигать, способствовать
(= to contribute to)
 3. concern – забота, дело, задача
 4. return (n) – отдача
 5. workforce – кадры
 6. to drive (drove, driven) – приводить в движение
 7. engineering – техника, инженерное дело
 8. to facilitate – облегчить
 9. cutting-edge – новейший, передовой, самый современный
 10. to address challenges – решать актуальные задачи
- II. Read the following words and give their Russian equivalents
1. an endless resource
 2. responsibility, to fulfil responsibilities
 3. to affect health
 4. advances in medicine
 5. scientific strength
 6. unfolding secrets of nature
 7. to create breakthrough technologies
 8. sustained development
- III. Answer the following questions
1. What are the main responsibilities of the Government in relation to science?
 2. What is the role of science in our society?
 3. What do investments in science contribute to?
 4. What is our modern society based on?
 5. What must we do to compete in the global economy?
 6. What are the main challenges of the 21-st century?
 7. What do these challenges require?