

“DOES SCIENCE HELP IMPROVE THE ENVIRONMENT?”

It is unfair to accuse science of being good or bad. Science is an eternal, universal philosophy of neutral morality. It is we humans who decide upon its application. We like the urban amenities but also crave for an unpolluted and pristine nature. And we have science to strike a balance between them. It is obvious that artificial progress will have an adverse effect on the environment but just as science brings about this progress, it also minimizes its ill effects. So it works both ways since science is just a tool depending on the welder to define its behavior.

Sudhir Biswas

Science is definitely associated with environmental improvement. It helps in controlling different environmental pollutions. However, in majority of the cases, the environmental problem was created by science itself. So, science appears to be more of a destroying agent than improving agent as far as environment is concerned.

Abhishek Chakraborty
Rourkela

Science can definitely help to improve the environment. We did not, for instance, know what materials are biodegradable and what are non-biodegradable. Science helps in problems like pollution, global warming, ozone layer depletion, acid rain etc.

Narinder Sharma
Kendriya Vidyalaya, Hiranagar

Science is the basis of life, as it has greatly helped to nurture the environment. Today population is drastically increasing. To overcome this problem science has developed multistoried buildings so that huge number of people can reside in a specific area. Effluents from factories are treated in scrubbers before being discharged into water bodies. To overcome the problem of non-biodegradable wastes, plastics are being used to construct roads. These common examples illustrate that science is greatly helping the environment to improve.

Nupur Mala
Carmel School, Hazaribag

Science has made eco-friendly products, which make our work easier and do not cause any harm to the environment. If science makes something, it also tells us how to use it and what preventive measures to take. However, nobody takes care, everybody utilizes according to his or her need without bothering about the environment. So, we cannot blame science.

Amogh Raghav
Kendriya Vidyalaya, Hiranagar

Yes, science helps in improving the environment. For instance, we had slash and burn system which led to wastage of land. Scientists introduced crop rotation as an alternative where the soil gets a chance to regain

its fertility. Traditionally, industries manufactured paper from trees. Now, we use bagasse – a waste product of sugarcane – to make paper. Everyday the world uses exhaustible fuels; now science has paved the way to generate energy from water, sun, wind, hydrogen fuel cell, biogas etc. Science has also advanced the method of rainwater harvesting through which we collect the inevitable runoff.

Deepmala
Hazaribag

By researching phenomena that affect the environment, scientists search for solutions to environmental problems. Science can help to improve the environment by developing clean energy sources and by showing that dirty energy has polluted the environment and potentially caused climate change. Science by itself neither helps nor hurts the environment, because science is merely a tool used by man. To suggest that science destroys the environment is similar to suggesting that guns kill people.

Sanjeev Sharma
Kendriya Vidyalaya, Hiranagar

Science has the potential to help the environment, from developing clean energy sources to showing that dirty energy has polluted the environment, and potentially, caused climate change. However, without

the actions, like funding for clean energy and regulation on pollutants, science cannot always help the environment, itself.

Sharad Sharma
Kendriya Vidyalaya, Hiranagar

Scientific advancements have totally changed the world today but we have also paid a big price for this development. The forest cover on the earth has been shrinking day by day, ice on the glaciers is melting fast and emission of greenhouse gases has further deteriorated the earth's atmosphere. All these things have put our environment in great jeopardy. Today we need to apply scientific know-how in to improve our environment.

Aditi Tikku
Kendriya Vidyalaya, Hiranagar

Judicious use of science certainly improves the environment. Development of wireless communication has reduced the growth of wired communication, which, in turn, reduces usage of plastic based wires. Less use of plastic improves our environment. Invention of CNG based engine instead of gasoline or diesel engine has drastically reduced air pollution level on roads. LPG has replaced coal or wood based fuel. But misuse of science is also badly impacting our environment. The onus is on us how judiciously we use science to preserve the environment.

Vikas Tripathi
Lucknow, U.P.



Science has made us aware about the environment and its components. Science also suggests us various methods to control pollution and makes us aware of the problems which we may face on degrading the environment.

Sushmita Sushma
C.M. Science College
Darbhanga, Bihar

Yes, I believe science helps to improve our environment. For instance, we did not know what materials were biodegradable and what were not. We had no idea how huge an effect we could make on the environment if we started recycling paper and plastic. Science has helped to improve our environment tremendously by understanding how our environment is affected by our presence. Human beings need scientific evidence to improve the environment. Water quality tests, animal counts and erosion studies help to determine the environmental impact of humans on earth. Science has helped us learn how global warming is affecting our climate. Science can help improve the environment by steering us towards a "green ideology".

Shabnam Digra
Kendriya Vidyalaya, Hiranagar

We are living in a technologically advanced age where yesterday's invention becomes obsolete today. With industries all over our country rapidly growing there is a need for new science and technology to curb the enormous amount of waste generated both domestically

and industrially. With right environmental consciousness among the citizens and channelising science and technology towards waste management we can definitely get rid of the huge amount of waste generated in our country every day. It is sad that our country which is producing millions of scientists and engineers for the world, is not able to control its massive amount of waste.

Prashanth Kumar

Science helps improve the environment through advances in research that can help prove or disprove popular theories. Science has helped humans predict natural disasters, global warming, and advance methods for cleaner types of energy. Science is an indispensable tool for understanding our environment, and eventually helping to improve the environment for us all.

Saurabh Kumar

Yes, science can improve the environment, by studying how things thrive and grow, to study the impact of technical and mechanical advances on the earth. Science has brought to light problems. This has led to improvements in using chemicals on crops and insects, and how it is best to put the earth back to the way it was after mining, construction and agriculture have altered it so. The downside is when science is used to advance an agenda and does not look at all data before coming to a conclusion, such as in global warming and other environmental regulations.

Guddu Kumar

Science makes our life easy and comfortable but is adversely affecting our environment. For instance, air conditioners increase global warming, vehicles release harmful gases, and mobile towers endanger and threaten the lives of sparrows. So, science doesn't improve our environment.



Jyoti Sinha
Class 9, Jathunath Girls High School
Hazaribag, Jharkhand

Environment is polluted because of misuse of the inventions of science by some selfish people for their own purpose. To prevent pollution we need proper knowledge of science. The light of scientific knowledge should be scattered to every corner of our country.

Deep Roy
Class-9, Shikarpur Vivekananda
High School, W.B.

Science helps us to improve our environment. helps to know about the habitat of various organisms and our eco system. It helps us to have a better relationship with other living things for our future development.



Shivani P.N.
Johnson Grammar Senior School,
Hyderabad

Environment according to the dictionary of biology is a nutritive capsule if it is within a complete range of physical, chemical, and biological factors, most significant for

survival of living organisms. It is obvious that science is no exception to those elements which help to improve the environment. The various gifts of science like industries, vehicles, power plants, aggressive explosives, chemicals,



pesticides/insecticides, ultraviolet (UV) radiations emitted from TVs, computers, emission of green house gases, industrial effluents, harmful toxicants used in medicines, etc. cannot improve the environmental conditions of earth. If steps are not taken to improve earth's environmental conditions today, the day will not be far off when there will be no living creature on earth.

Arushi Sharma and Raj Kumar
Jammu, J&K

No, because it may help human beings but it also damages the environment. For example, the cars which we are using cause many harmful effects to the environment. Human beings should follow some rules for keeping the environment clean. We should not use vehicles for a short distance.



Govardhan C.H.
Johnson Grammar Senior School,
Hyderabad

Science is not responsible for improving or damaging the environment directly. Science has given us many inventions to give us a



comfortable life. It has improve our social environment but indiscriminate use of products can leave a bad effect on the natural environment.

Gourango Ghosh
MCA, University of Burdwan

Science doesn't help to improve the environment because the things or actions which have a harmful impact on the environment are a creation of science itself. For instance, industries and automobiles cause



air pollution. However, when humans became aware of this degradation they used science to invent air scrubbers and electrostatic precipitators to prevent air pollution and thus save the environment from degradation. Thus science itself degrades the environment and then it is science again that works to prevent the harm caused by its own inventions.

Saumoneel Mandal
Asansol, West Bengal

Science is only a tool. It can be used both ways – to improve or to deteriorate the environment. For example, effective use of solar energy will decrease our dependence on other fuels like petroleum that are harmful for our environment. We can put on hold the further deterioration of our environment by making good use of science.

Ashesh Ateendra
Class 12, Kachhawa Christian School
Kachhawa, Mirzapur, UP

A branch of science known as Environmental Science helps to study and find solution to environmental problems. While Environmental Studies involve understanding of human relationships, perceptions and policies towards the environment, Environmental Engineering focuses on design and technology for improving environmental quality. Environmental Scientists work on subjects like understanding of earth processes, evaluating alternative energy systems, pollution control, natural management, and the effects of global climate change.

Kanchan Kumari
M.G.D. Girls' School, Jaipur

Although, humans are interfering with intricate natural processes leading to environmental degradation and jeopardizing their own existence. At the same time, science equips us with better knowledge and understanding of the natural system, thereby alerting us to the consequences of any deviation.



Md. Maroof Azam
School of Environmental Sciences,
JNU, New Delhi

Science can indeed help a lot in improving the environment. For example, Chinese scientists have successfully used seabuckthorn, a shrub growing in the harsh environment of Ladakh, to make food beverages, medicines and cosmetics. Again, scientists of NBAGR, Karnal have identified animal breeds that thrive better in adverse environmental

conditions. For bringing a change in environment from degradation to improvement or from environmental pollution to a safe habitat science can play a pivotal role.

Dr Shiv Kumar, Jaipur

Advancement in science is totally eco-unfriendly. Science just helps us to know about our nature and environment, but does little for its preservation and conservation. Modern scientific technologies are narrowing the quality and purity of our environment. Ozone depletion, global warming, acid rain, soil erosion are all results of our ignorance of the environment. The combination of nature and science is only beneficial when science gives preference to the quality of our surrounding and environment otherwise big gadgets, big buildings, motor vehicles, industries, factories are all going to swallow the green planet "Earth".

Priya Jha, Bihar

There are discoveries like solar devices that lend a helping hand in preventing the harm caused due to pollution.



Science helps in creating holistic scientific approach which makes one think about the environment also. Scientists all over the world are working hard to create mechanisms and devices to improve the environment.

Pratik Suresh Makhija, Pune

Science helps to improve the environment or not totally depends on how we use

it. As science progresses, it is affecting the nature/ environment in both negative and positive manner. If today global warming is increasing then it is because of us not because of science. Science has given birth to both petrol and electric/solar cars but we encourage and prefer petrol one as electric/solar cars are not so stylish.

Tanishq Banerjee
Jameshedpur

Science helps develop a logical and rational thinking in an individual. It's only through science that one gets to know the reason behind global warming, water, air and noise pollution, the impact/consequences of dumping waste in rivers, using polythene bags etc. Various scientific techniques have been developed to mitigate environment pollution. Development of efficient appliances with ECOMARK and use of battery operated vehicles to reduce air pollution are all products of science. This makes scientific analysis and environment impact assessment necessary before setting up industries.



Bhumika Saini
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*Now write in your thoughts on this topic:
"Children can play a big role in eradicating superstitions and blind faith from the society."
Be short, crisp and logical. Send in your photo, if you like.*