

CONCLUSION:

# CAN SCIENCE SAVE US?

1. Introduction.

2. Can Science Save Us from Ignorance?

2a) → explaining wonders what religions could not explain, for instance, Nicolaus Copernicus and theory of a revolving earth.

2b) → still trying to conquer the vastness of universe.

3. Can Science save us from disasters?

3a. → mitigating the natural and man-made disasters like of earthquakes, floods and climate change.

3b. → failure to predict such disasters let alone control them.

4. Can Science Save Us from conflicts and Wars?

4a. → using scientific methods of conflict resolution and crisis management.

4b. → great powers themselves investing in ship wars technological

warfare like US-China  
chip war.

5. Can Science Save Us from  
Annihilation?

5a. → Scientific progress on  
deadly conventional weapons  
making wars more attractive

5b. → scientific developments  
getting humanity closer  
to a nuclear apocalypse

6. Can Science Save Us from  
Climate Change?

6a. → Scientific solutions to  
the problems caused by  
science itself are not  
going to work.

6b. → Renewable energy need  
plenty of water and  
extraction of rare earth  
metals.

7. Science and Ethical Concerns:

7a. → GM food saving us from  
hunger or leading us to  
new health problems.

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7b → gene mutations leading  
to a disease-free world  
or to 'babies-on-order'?

7c → ethical concerns related to  
scientific precision weapons.

8. Conclusion.

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# Essay:

As human civilizations progressed, man encountered with new and complex challenges and questions that religion could not provide a satisfactory answers and explanations. Thus, human brains began to think scientifically and thought <sup>that</sup> science could provide them with all answers and explanations. With these scientific explanations, humanity will be saved from ignorance, disasters, conflicts, wars, climate change and annihilation. The rapid progress in science also led to some critical ethical concerns that put human safety in jeopardy. Science has not the power to save us from ignorance, disasters, conflicts, wars, climate change and annihilation rather in the quest of saving

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humanity has led to some grave ethical concerns that may put our future in jeopardy.

The scientific quest began to know more about everything. The atom that we cannot see with naked eye to the huge galaxies. Humans wanted to get rid of ignorance in the name of religion. Science emerged as a secular religion for many. Science explained to us wonders that religion could not explain. For example, Christianity made Christians believe for centuries, the dark Ages, that ~~the~~ Earth is the centre of universe and Earth is stationary. Nicolaus Copernicus dared to challenge this by explaining that earth is revolving around the sun. Neither the earth is center of the universe nor it is stationary. Galileo Galilei proved this with

the invention of telescope. Thus, science has removed many curtains of ignorance and enlightened us.

Despite explaining such important concepts, science is unable to conquer the vastness of the universe. Our Earth is 100,000 million light years away from the center of milky way galaxy. It means if a person moves as fast as the speed of light ~~that~~ then he will be able to reach the center of Milky Way galaxy in 100,000 years. There are thousands of such galaxies. Science is unable to unravel the mysteries of death as well. Unless science is able to control human death, man cannot even imagine to live 100,000 years to reach the center of our galaxy, that too with the

speed of light has not yet.

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speed of light. It means humanity  
has not fully got rid of ignorance  
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Moreover, science seems to know  
how a disaster comes but still  
is unable to save humanity from  
its disastrous effects. Science helps  
us greatly in mitigating the effects  
of natural and man-made  
disasters like earthquakes, floods  
and climate change. But it  
is unable to predict and control  
such phenomenon. Recent example  
is of Los Angeles Wildfire, which  
resulted in the death of about  
20 people and loss of 125 billion  
dollars. Therefore, science cannot  
save us from disasters.

In addition, humanity is  
optimistic that with the progress  
in science, we will end conflicts  
and wars. Scientific method of  
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In addition to increasing  
conflicts and wars, science seems  
to be unable to save humanity  
from annihilation. The best tools  
for our annihilation are advance  
scientific weapons which are  
becoming deadly day by day.  
Scientific progress is also making  
conventional weapons more lethal  
that are becoming attractive to  
be used in wars by nuclear  
weapon states. For example, the  
US has developed all sorts of  
conventional weapons, including  
Mother of All Bombs (MOAB), that  
are short of nuclear disaster but  
can bring enormous casualties  
to happen. No wonder the US  
therefore remains engaged in  
wars because she has got the  
capability to do that. Science is  
bringing us closer to annihilation.



management courses. International organizations are promptly working on the research findings of social scientists and training diplomats. But this social science could not overcome human greed and lust for power, wealth and technology. This lust for power, wealth and technology has led the great powers to involve in technological warfare. Science, which was supposed to create shared knowledge for mutual benefit of humanity, is now itself an object to be claimed and to be fought for. The US-China chip war is the best example of how countries are engaging in conflicts with each other for their hands on latest technology to dominate. Science is no more seen as a common good for all humanity but as

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batteries need rare earth metals too. Now after the exploitation of fossil fuels, the world is moving towards the exploitation of lithium reserves and rare earth metals, even from the seas. This exploitation of minerals from the seas will now put, largely, saved marine life in danger, which was largely safe till now unlike land species. Hence, science is unable to save us from climate change too.

These all challenges that are presented to humanity largely through the progress in science are aggravated by the ethical concerns that science presents to us with rapid scientific progress. It is important to note that scientists propagated at the dawn of industrial revolution that now there would be no poverty in

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by means of conventional weapons. While developments in conventional weapons are important to note, one should not lose sight of science getting humanity closer to a nuclear apocalypse. There are around 15000 nuclear weapons today, when only 100 nuclear weapons are enough to annihilate the world. With the <sup>rise of</sup> great power competition between the US and China the number of nuclear weapons will only increase. Therefore, science is helpless in preventing us from annihilation.

Furthermore, scientists are now warning us of climate change that will make Earth uninhabitable. The reason for humanity to reach this stage is science itself. Scientific inventions of steam engine, railways and textile mills,

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helped in bringing industrial revolution to this world. The unchecked greenhouse gas emissions are not rapidly increasing global temperatures. Scientists along with capitalists are proposing more use of science to tackle the problem of climate change, but it seems unlikely that more of the science would work.

Scientists are advocating shifting to renewable energy sources from fossil fuels. Shifting to renewables also include electric cars, electric vehicles and electric appliances besides solar, hydel and wind power. Interestingly, this electrification has increased the demand for chips, and, it is estimated that 4000 gallons of water are required to manufacture one chip. This will undoubtedly put stress on already scarce water resources. These electric

this world as there would be abundant food for all. All such claims have proved to be false already, and, now science is claiming to remove hunger from the world by producing genetically modified food. This raise ethical concerns that the food that is artificially produced from the plants or even prepared in the laboratory will definitely have health problems which "we see after decades of eating such food. Besides question rises that when the consequences of such food are largely unknown today, <sup>whether</sup> ~~can~~ the world <sup>carely</sup> rely on it to remove hunger or it will become the source of revenue for some profit makers like industrial revolution.

Similarly, scientists now claim that gene mutations of the fetus will lead to

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deadliest weapons. But the growth  
of weapons does not stop here.  
To save the lives of soldiers,  
scientists are working tirelessly  
to invent unmanned precision  
guided weapons. But these  
weapons are not always 100  
percent precise. For example, in  
the US War on terror, for  
every 1 ~~at~~ terrorist, around 200  
civilians were killed in  
drone strikes. With science working  
on automation of such weapons  
who will be held responsible  
for the killings of innocent  
people. There is a debate  
ongoing that whether international  
law will be applied on the  
automated weapons, the programmer  
or the commander who commanded  
or the government who authorized.  
Such loopholes in legislation  
will increase the likelihood of  
evading the charges of war crimes.

a disease-free world. Gene mutation is the process by which scientists remove or replace one gene with the other. This is revolutionary achievement. Through gene mutations, scientists can remove or replace disease-causing genes with healthy genes. But this again rises concerns about profit making industries of science where parents will be able to have gene mutations even on healthy babies for their desirable traits. This 'babies-on-order' or 'designer-babies' trend will certainly give advantage to some rich children, whose parents were able to impart intelligence or beauty genes in them.

As it is already noted that scientific progress has led to the invention of

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