

CONCLUSION:

CAN SCIENCE SAVE US?

* Introduction

1. 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 'babes-on-order'?

7c → ethical concerns related to
scientific precision weapons.

8. Conclusion.

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 begin to think scientifically and thought ^{that} 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 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
yet.

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
research is being introduced in
conflict resolution and crisis

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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 ^{rise of} 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, ^{whether} can the world ^{carely} 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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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 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

deadliest use of weapons. To some scientists to invent guided weapons percent the US every 1 civilians drone on auto who will for the people. ongoing law will automatic or the or the g Such loc will inci evading