

Over Population is a myth,  
As the World's Resources  
are sufficient to support  
growing Population and  
technological Innovation  
will solve any Potential  
Shortages:

### 1- Introduction

Although Over population is a significant threat to the Earth, whether it is solely responsible for resource scarcity remains a matter of debate, as technological innovation has the potential to address shortages. No doubt, over-population is a reality and contributes significantly to resource depletion. However, proper measures can help mitigate the related issues.

2- Over population: a myth or reality.  
(an overview).

3- Over population: An Undue burden  
Straining Earth's Resources. (Thesis).

a) Over population leads to  
increased demand of food and  
Resources.

- b) Over population leads to urbanization, for which deforestation is done which causes loss of essential non timber forest products and loss of biodiversity
- c) Depletion of natural resources such as, fossil fuels, oil, gas, coal, causes Energy crisis
- d) Over extraction of ground water causes water scarcity
- e) Over population generates Pollution, that reduces the ability of planet to regenerate resources, by destroying environment.
- f) Over population leads to Over fishing, threatening marine ecosystem and long term viability of seafood supplies
- g) over populations demand more agricultural lands, resulting in overgrazing, desertification and soil erosion reducing land productivity.

4-

World Resources are sufficient to support growing population and technological innovation will solve any potential shortage. (Anti-thesis)

- a) The world is full of resources that can be recycled.
- b) Technological innovation: a catalyst for producing huge quantity of food.
- c) The Planet is rich in natural resources, if managed wisely can sustain the growing population.
- d) International efforts such as Sustainable developmental goals and other agreements promote efficient resource allocation.
- e) Technologies like desalination and efficient irrigation system help maximize fresh water resources.

(5) Despite technological advancements, over population still remains a major cause of resource depletion (Synthesis)

- a) Not all resources are recyclable like plastics, oil, gas etc. ✓
- b) Technological innovation: a ~~potent~~ producing quantity and not quality, leading to severe health risks. ✓
- c) World has finite natural resources, even with wise management, they can not be saved from being depleted. ✓
- d) Despite global co-operation on different agreements, no improvement is being ~~taken~~ seen in promotion of efficient resource allocation. ✓
- e) Technologies like desalination exist, but they are expensive and inaccessible in many regions. ✓

6- Conclusion ✓

# Essay:

Paul Ehrlich in his book "The Population bomb" predicted that the years of 1970s will be marked with famine, due to overpopulation by quoting the word "The battle to feed all humanity is over, In 1970s the world with undergo famine - hundreds of millions of people are going to starve to death".

(Paul Ehrlich, "the population Bomb", 1968). His prediction proved to be true as from 1970s till now million of people have been died due to starving. Over population is a significant threat to earth, whether it is solely responsible for resource scarcity remains a matter of debate, as technological innovations has the potential to address shortages. Despite presence of such technologies, over population is indeed a reality and it contributes to resource depletion. However proper measures can help to mitigate the issues. The Over population leads to increased demand of resources

Q/M

, urbanization which causes deforestation, depletion of natural resources, water scarcity, over exploitation of resources and land degradation.

All these situations causes resource scarcity. However, world resources are sufficient to support growing population and technological innovation will solve the problem of resource shortages, by if renewable energy resources, proper management, and implementing international agreements like Sustainable developmental goals and high technologies like desalination introduction are introduced. But, Over population will still remain the major threat to world's resources, as, not all resources are renewable, technological innovative products are producing low quality food which further exacerbates the situation by destroying the health. Moreover, even wise management of resources and implementation of agreements can not save resources to be depleted. Thus Over population is the main cause of resource depletion, despite

technological advancements.

Whether Over population is ~~whether~~ a myth or a reality is no longer ~~more~~ a hidden question to the world, as it has been ~~proven~~ from all aspects that the earth is carrying an undue burden of over population. Despite presence of technological innovation the resources of earth are at stake because the main ~~reason~~ behind it is over population. According to the record mentioned in ~~the~~ latest report of "United Nations ~~World Population Prospects, 2024~~" the global population is estimated to be ~~8.9 billion~~ and the further prediction of ~~reaching~~ around ~~10.3 billion~~ in ~~mid 2050s~~. This shows the fast trends of population in 21<sup>st</sup> century. It is certain that the population is increasing day by day, leading to the depletion of earth resources, such as water resources, forests, fossil fuels, arable land, and biodiversity. This depletion strains ecosystem and challenges sustainability. Thus, it is ~~certain~~.

certain that over population is a living reality solely responsible for resource scarcity.

There are many manifestations of resource depletion due to over population, but chief among which is increased demands of food and resources. It is obvious that the more population leads to raise demand of food and resources <sup>because of</sup> over use of things such as Land, water, energy, other basic requirements of people. A recent research conducted by Food and Agricultural organization that ~~shows~~ the global food demand is projected to increase by 70% by 2050, due to population growth. So, over population raises demand of food. Moreover, as compared to previous decade, the demand of natural resources such as fossil fuels, oil, gas and petrol has been increased despite global efforts to reduce their usages especially in the



Countries like china, india and Philippines. Thus, sharp growth in population is the main leading cause of high demand of resources, and it is obvious that the earth is unable to resolve the issue of diminishing resources.

Due to over population, the urbanization is seen in every corner of the earth, for which deforestation is done. Which causes loss of essential forests, having non timber products and loss of biodiversity. Forests are blessing of nature, as they contain various resources such as food resources, wood, resource and large reservoirs of fresh oxygen. The continuous urbanization leads to devastatingly cutting forests for making infrastructures for people. This, on one hand fulfilling demands of residents of people, but on the other hand compromising basic resources of forests, which

are ultimate need of people. Mohammad peace be upon him said "who ever cuts a lotē-tree (without justification), Allah will direct him to hell fire". This shows importance of forests, as they contain numerous blessings of God. Hence, one of the major cause of depletion of resources of earth is the fast urbanization which is ultimately due to over population.

Conclusively, this discussion has proved that the main driver of resource scarcity is over population. Despite, modern technology the demands of people can not be fulfilled. Over population causes rise in demands of food and other resources, urbanization, natural resources depletion, Over exploitation of resources present on both land and water. Although, some believes that it is a myth, and

modern technology can cope up with the issues of resource depletion and raising demand of resources, but it is not possible ~~if~~ because there are various other hurdles like, health risk is compromised, affordability of high tech products and mismanagement ~~of~~ in global agreements. Thus, over population is solely responsible for the depletion of earth resources.

~~However~~. So, despite creating more and more advance ~~artificial~~ technology, human should focus on controlling the affects of over population, as it is said that "Technology can amplify our efforts but true progress lies in balancing innovation with sustainable population growth".