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# Let's Use Energy Usefully

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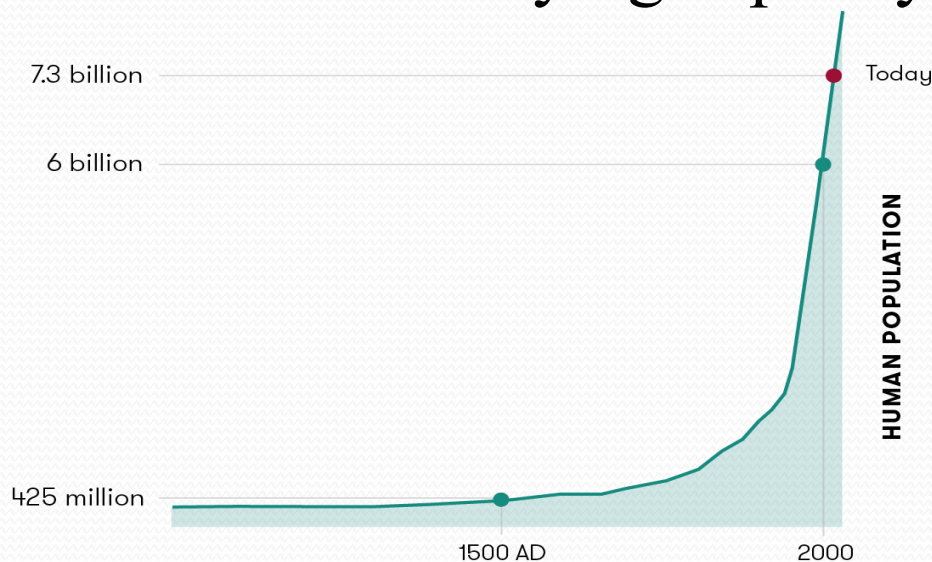
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# UNSUSTAINABLE CONSUMPTION & THREATS



# POPULATION

- The world population is growing by approximately 74 million people per year
- Population growth is not evenly distributed across the globe.
- Scientists are yet to conclusively determine the human ‘carrying capacity’ of Earth.



Human population has seen exponential growth over the past few hundred years.

- Population is only one of many factors influencing the environment
- We have consumed more resources in the last 50 years than the whole of humanity before us
- The 20<sup>th</sup> century saw the biggest increase in the world's population in human history.



- The impact of so many humans on the environment takes two major forms:
- Consumption of resources such as land, food, water, air, fossil fuels and minerals
- Waste products as a result of consumption such as air and water pollutants, toxic materials and greenhouse gases.



- More clothes, more gadgets, bigger cars, bigger houses—consuming goods and resources has big effects on our planet.
- Air pollution can come from natural or anthropogenic (man-made) sources.



- The unconscious use of water causes a decrease in the amount of water every year.



# Solution

- Advances in food production technologies such as agriculture, water purification and genetic engineering may help to feed the masses, while moving away from fossil fuels to renewable power sources such as wind and solar will go some way to reducing climate change.



- Investing in clean energy is one way to reduce our environmental strain on the planet.
- Today humanity uses the equivalent of 1.5 planets to provide the resources we use and absorb our waste. This means it now takes the Earth one year and six months to regenerate what we use in a year.



# THANKS FOR YOUR ATTENTION

