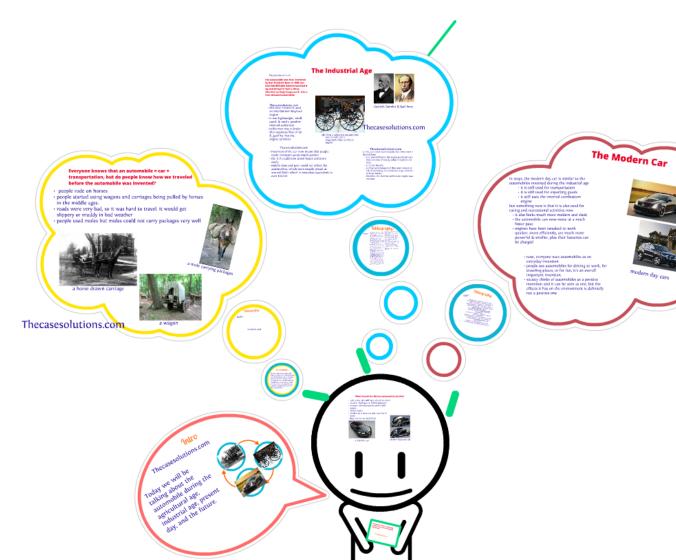






the point of this 4 stroke cycle is to put gasoline into motion.



How it contributes to the environment & human suffering

this problem is not brought to many people's attentions, but automobiles and their engines tend to create loud noises - this disturbs people while they work, relax, or sleep - it can also physically or mentally affect people

- annufacturing cars uses up non-renewable resources such as
 metals
 metals
 and other fuscil fuses such as caal
 and reference of these such as caal
 this affects the suare row drink and marker life also
 when oil and particles get weakled into creeks and
 rivers, which eventually run into the sea
- the fuel and smoke from cars contribute to air pollution, which is becoming loss of a problem as automobile companies manufacture better engines

The InnoCar Project - Developing a Chip for the Future Automobile (E): Epilogue

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Intro

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Today we will be talking about the automobile during the agricultural age, industrial age, present day, and the future.



Everyone knows that an automobile = car = transportation, but do people know how we traveled before the automobile was invented?

people rode on horses

 people started using wagons and carriages being pulled by horses in the middle ages.

 roads were very bad, so it was hard to travel. it would get slippery or muddy in bad weather

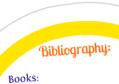
people used mules but mules could not carry packages very well



a horse drawn carriage



a wagon



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no books used

The Industrial Age

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 the automobile was first invented by Karl Friedrich Benz in 1885, but Gottlieb Wilhelm Daimler touched it up and turned it from a three wheeled carriage/stagecoach into a four wheeled automobile

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- this new invention used an 1885 Daimler-Maybach engine
- it was lightweight, small, quick, & used a gasoline injected carburetor
- carburetor was a device that regulates flow of air & gasoline into the engine cylinders



the first 4 wheeled automobile (was actually just a stagecoach made to hold an engine)



Gottlieb Daimler & Karl Benz

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- invention of the car now meant that people could transport goods much quicker
- · the rich could now travel faster and more easily
- middle class and poor could not afford the automobiles, which were usually priced at around \$500+ which is nowadays equivalent to over \$16,000

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at first, cars used steam engines, but there were 3 big problems

- 1.) it was inefficient, the engine produced very little amounts of energy when it needed a lot more
- 2.) it was massive
- 3.) they were dangerous! they were always at risk of exploding, and produced large amounts of dense smoke
- · therefore, the internal combustion engine was invented.

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