



01. LET'S FIX THE PROBLEM

M2U3P1

WHAT IS THIS?



WHAT IS THE CAUSE OF A TRAFFIC JAM?



SOME OF THE CAUSES:

- Too many cars on a small road
- Traffic lights are not synchronized with other lights and the traffic situation
- People use a personal vehicle instead of public transport
- Not enough public transport
- Some people don't obey the law (switch lanes, drive too fast, stop in middle of road...)



WHY IS TRAFFIC JAM A PROBLEM TO US?

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- A traffic jam is a common problem in big cities
- It doesn't only affect our time to work but it also affects our environment
- Cars and motorcycles can be very loud and they produce CO₂ (Carbon Dioxide) which is harmful for us



HOW TO FIX THE PROBLEM?

- To fix any problem we first need to analyze the problem and find the cause of that problem
- After we know the cause we can start thinking about the solutions
- When we have a solution we have to carefully analyze it to see will that solution work in the future also, because if something works now, it doesn't mean it will still work after few years



HOW WOULD YOU STOP TRAFFIC JAM?

POPULATION GROWTH

- As our technology gets better, our life span also gets longer so we have population growth
- To keep up with the population we need to expand our cities
- Resulting in city expansion, our economy and industry grows
- Resulting in industry growth, we start to use more natural resources and damage the environment by pollution

POPULATION GROWTH

Good

- City expansion
- Economy and industry growth



Bad

- Using more natural resources
- Pollution

ENVIRONMENT PROBLEMS MADE BY HUMANS

- As a result of population growth and city expansion we needed to develop new technologies
- As a result of those new technologies we started to cause problems for the environment
- Example: trash, water pollution, air pollution, sources of infection...



ARE WE HUMANS THE ONLY PROBLEM FOR THE
NATURE?

ARE WE THE ONLY PROBLEM FOR NATURE?

- Humans aren't the only cause of the problems in the nature
- Problems can also happen because of natural disasters
- Example:
 - Volcano – can cause air pollution
 - Wildfire – can cause air pollution and destruction of natural resources and wildlife
 - Earthquakes
 - Floods
- Because natural disasters affect our lives also, we have started to develop technologies that will prevent them

WILDFIRE

- Wildfires are natural disasters that can happen because of a storm during the summer and dry seasons
- The fire can be started by lightning or by a friction between two trees caused by the wind
- Wildfire can make the air toxic because of the dust and gas that is released from the fire



FLOOD

- Floods usually happen during the rainy seasons
- There is too much water in the river so the river spills out and the water goes everywhere it can
- It can damage our houses and our property
- It can bring diseases and infections



EARTHQUAKE

- Earthquakes are usually caused when rocks underground start to break
- The sudden release of energy causes the waves that make the ground shake
- Earthquakes can easily destroy houses and cities, depending on their strength
- It can also affect the animal and plant life



VOLCANO

- A volcano is a rupture in the crust of the planet that allows hot lava, volcanic ash and gasses to escape from a magma chamber
- Volcanos are a problem because the ash can cause air pollution and the lava can also start wildfires
- If the volcano is strong enough it can cause tsunamis





ANY QUESTIONS



GROUP WORK

NATURAL DISASTERS (10 POINTS)

- Divide into groups (5 groups of 4/5 students) and choose one of the natural disasters:
 - Floods
 - Volcano
 - Wildfire
 - Earthquake
 - Tornado
 - Tsunami
- On an A3 paper make a mind map/post about those disasters, how they happen, what do they do to nature, what do they do to us humans, how can we stop it....



THE END