



A negative impact on our environment



DEFORESTATION

Production of more carbon dioxide when forests are burnt

Loss of forests

Clearing of forests by cutting or burning

Loss of food and homes for animals

Loss of living things

Soil erosion

Carbon dioxide traps heat



Greenhouse effect: Keep some of the Sun's energy from escaping back into space at night.

Global warming: a long term increase in the average temperature of the Earth's climate system

How do trees help to prevent or reduce soil erosion?

The roots of the trees hold the soil together.

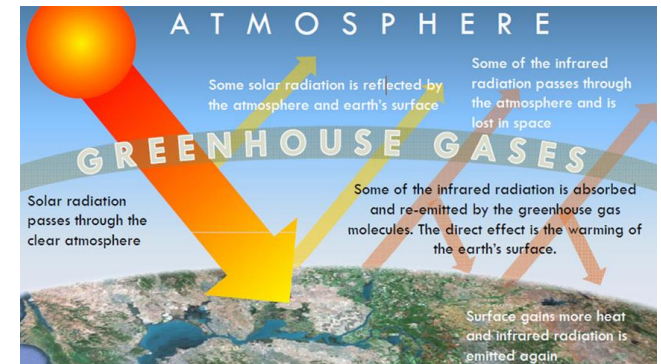
How does soil erosion affect aquatic organisms? Explain your answer.

Soil gets washed into water bodies during rain as roots of trees no longer hold onto the soil strongly

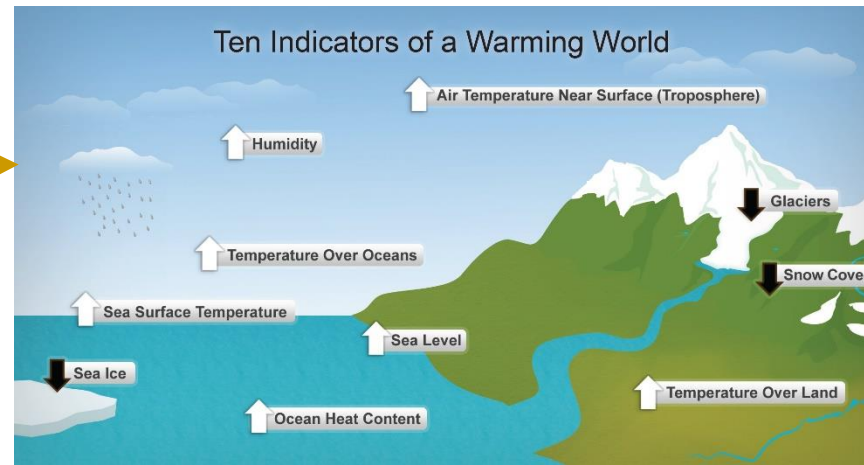
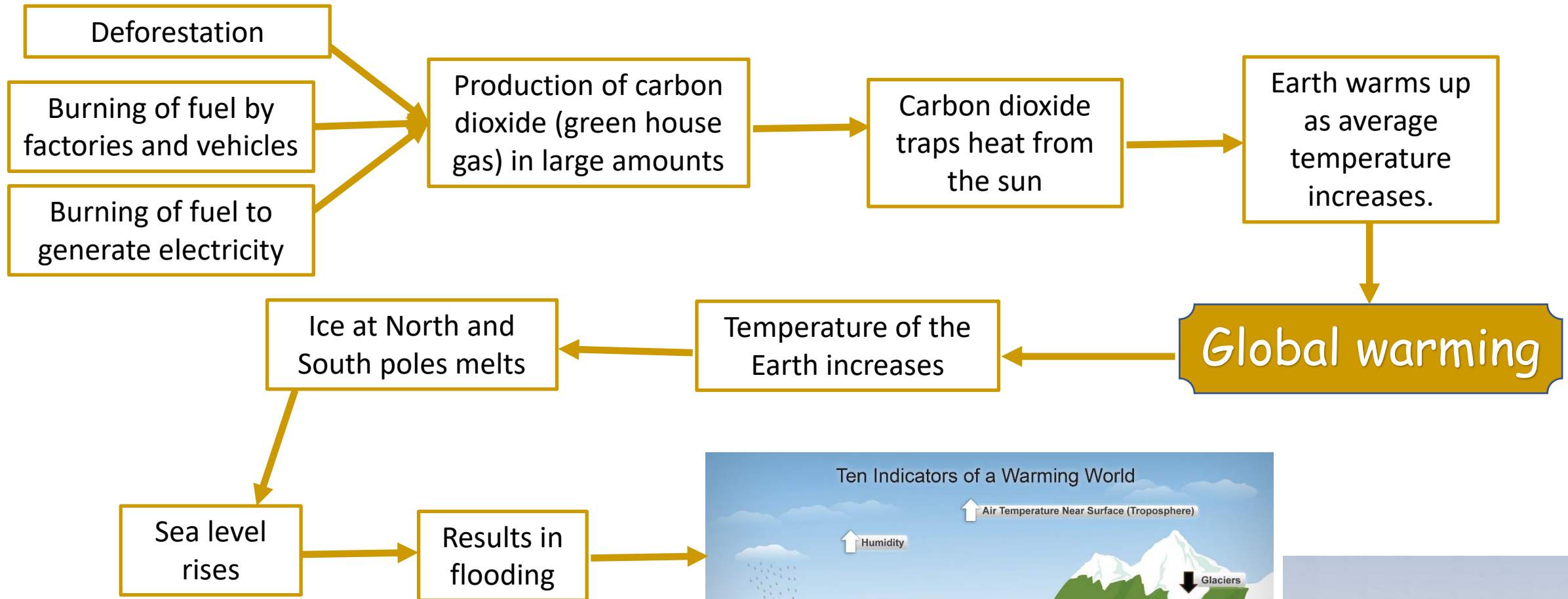
Loss of top soil layer

Water pollution

Land becomes barren, dry and hard for crops to grow



The soil blocks out light from entering the water so water plants cannot photosynthesize. As a result, less oxygen is produced. The aquatic organisms will die due to lack of oxygen.





Water becomes unsafe for drinking and washing. Harms plants and animals.

Examples like poor sewage systems, weed killers, pesticides are released into soil and water sources

Harmful chemicals and human waste

Water pollution

Contaminate water sources, kill plants and damage buildings

Harmful chemicals mixed with rain

Acid rain

Can lead to sun burns, eye problems and skin cancer

Damage ozone layer which allows ultraviolet rays from the sun to enter into the Earth

Chlorofluorocarbons (CFCs)

Produced by refrigerators, air conditioners, aerosols and fire extinguishers.



Non-biodegradable: cannot be broken down by decomposers

Examples like plastic and ceramic. They stay on Earth for a long time and take up spaces in landfills



Land pollution

Litter and rubbish

Biodegradable: can be broken down by decomposers

Examples like wool, wood and paper

Pollution

Air pollution

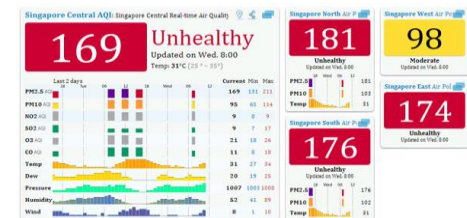
Smoke

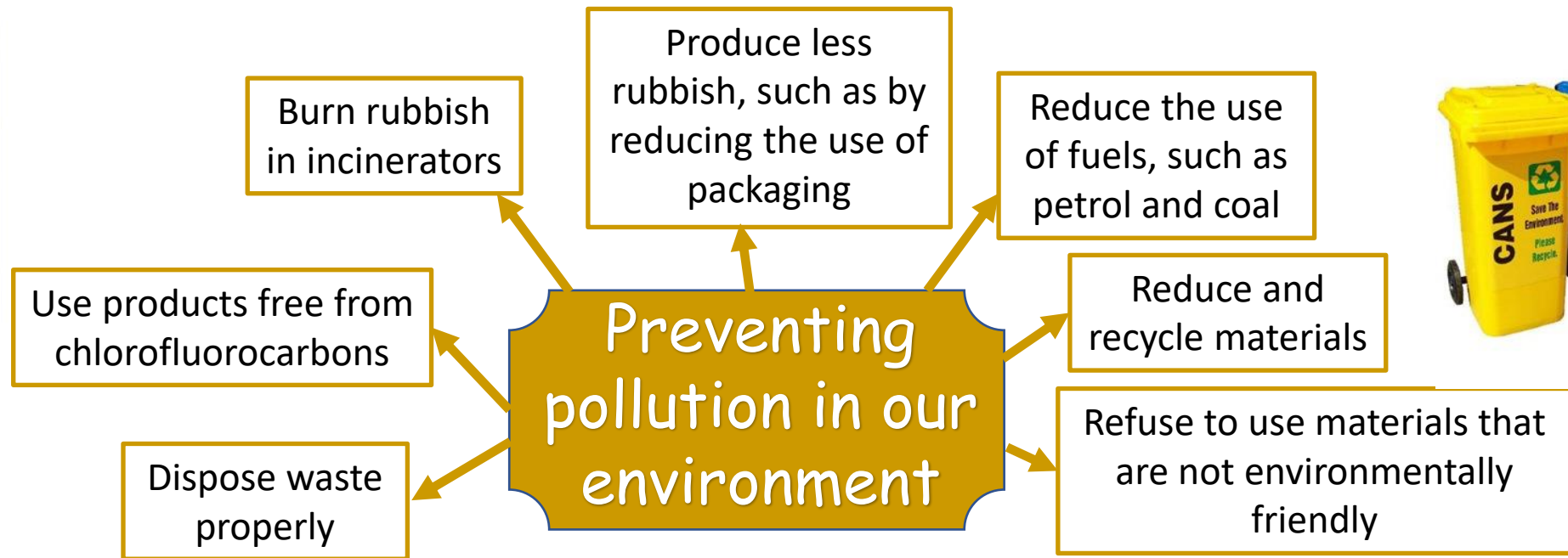
Dirt, dust and other gases in the air

Found in cigarette smoke and haze

Caused by burning of oil, wood, coal released from factories, machines and vehicles.

Cause lung cancer, eye irritation and respiratory problems





TEN EASY WAYS TO SAVE EARTH

- 1. USE FLUORESCENT BULBS**
You can save energy and money, too.
- 2. TURN OFF YOUR COMPUTER AT NIGHT**
Save 40 watts a day.
- 3. RECYCLE**
You'll help reduce pollution.
- 4. GO VEGETARIAN**
It takes more water to produce one pound of beef.
- 5. USE LESS TISSUES**
Or use half – do you really need one whole piece?
- 6. USE BOTH SIDES OF PAPER**
Set your printer's default option to print double-sided.
- 7. TAKE THE STAIRS**
Healthier for you and kinder to the planet. Why use the lift if it's only a few flights?
- 8. BE CREATIVE AND REUSE**
Things like bags, bows and paper can be turned into a present or something useful.
- 9. TAKE SHORTER SHOWERS, SKIP BATHS**
You'll save water and electricity on heating.
- 10. SWITCH OFF THE LIGHT**
Not just for Earth Hour but whenever you don't need it.



PROTECTING OUR PLANET STARTS WITH YOU

BIKE MORE DRIVE LESS EDUCATE When you further your own education, you can help others understand the importance and value of our natural resources.	reduce REUSE recycle Cut down on what you throw away. Follow the three "R's" to conserve natural resources and landfill space.	choose sustainable seafood Learn how to make smart seafood choices at www.FishWatch.gov .	Trees provide food and oxygen. They help save energy, clean the air, and help combat climate change. PLANT A TREE
Volunteer! Volunteer for cleanups in your community. You can get involved in protecting your watershed too!	CONSERVE WATER The less water you use, the less runoff and wastewater that eventually end up in the ocean.	-SHOP-WISELY Buy less plastic and bring a reusable shopping bag.	Don't send chemicals into our waterways. Choose nontoxic chemicals in the home and office.
Long-lasting light bulbs - ARE A - BRIGHT IDEA Energy efficient light bulbs reduce greenhouse gas emissions. Also flip the light switch off when you leave the room!			

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10 WAYS TO HELP OUR OCEAN

at home	around town	on the water
1. Conserve Water Use less water so excess runoff and wastewater will not flow into the ocean.	2. Reduce pollutants Choose nontoxic chemicals and dispose of all chemicals properly.	3. Reduce waste Cut down on what you throw away.
4. Shop wisely Choose sustainable seafood. Buy less plastic and bring a reusable bag.	5. Reduce vehicle pollution Use fuel efficient vehicles, carpool or ride a bike.	6. Use less energy Choose energy efficient light bulbs and don't overuse your thermostat.
7. Fish responsibly Follow "catch and release" practices and keep more fish alive.	8. Practice safe boating Anchor in sandy areas far from coral and sea grasses. Adhere to "no wake" zones.	9. Respect habitat Healthy habitat and survival go hand in hand. Treat with care.
10. Volunteer Volunteer for cleanups at the beach and in your community. You can get involved in protecting your watershed too!		

anywhere, anytime oceanservice.noaa.gov

Act NOW

ACT NOW, ACT JOINTLY, ACT DIFFERENTLY

SAVE THE EARTH FOR ALL THE CREATURES, BIG AND SMALL

SAVE THE PLANET, SAVE IT FOR OUR FUTURE GENERATIONS

SAVE THE MOTHER EARTH, FOR SHE IS THE SAVIOUR OF ALL

AND FOR THAT, LET'S START THE JOURNEY FROM OUR HOMES... RIGHT NOW !!!