







OCEAN CONVEYOR BELT



What is Ocean Conveyor Belt?
 A current that slowly moves through the world's ocean. It was the world's thermohaline conveyor, the water that is pulled and pushed continuously from the poles, since there is with surface water. It is driven by differences in water temperature and salinity. The Ocean Conveyor Belt is responsible for the flow of cold water back to the poles, water moving south which in turn causes a warm water to move north. It is the North Atlantic, it was the circulation of water driven by differences in density.

The importance of Ocean Conveyor Belt
 Helping heat in the Polar Regions, and spreading the amount of sea ice in those regions. As enhanced transport of heat from the equator to the poles, the Ocean Conveyor Belt is pulling surface water from the warm tropics, bring them to the poles, and therefore heat around the world.

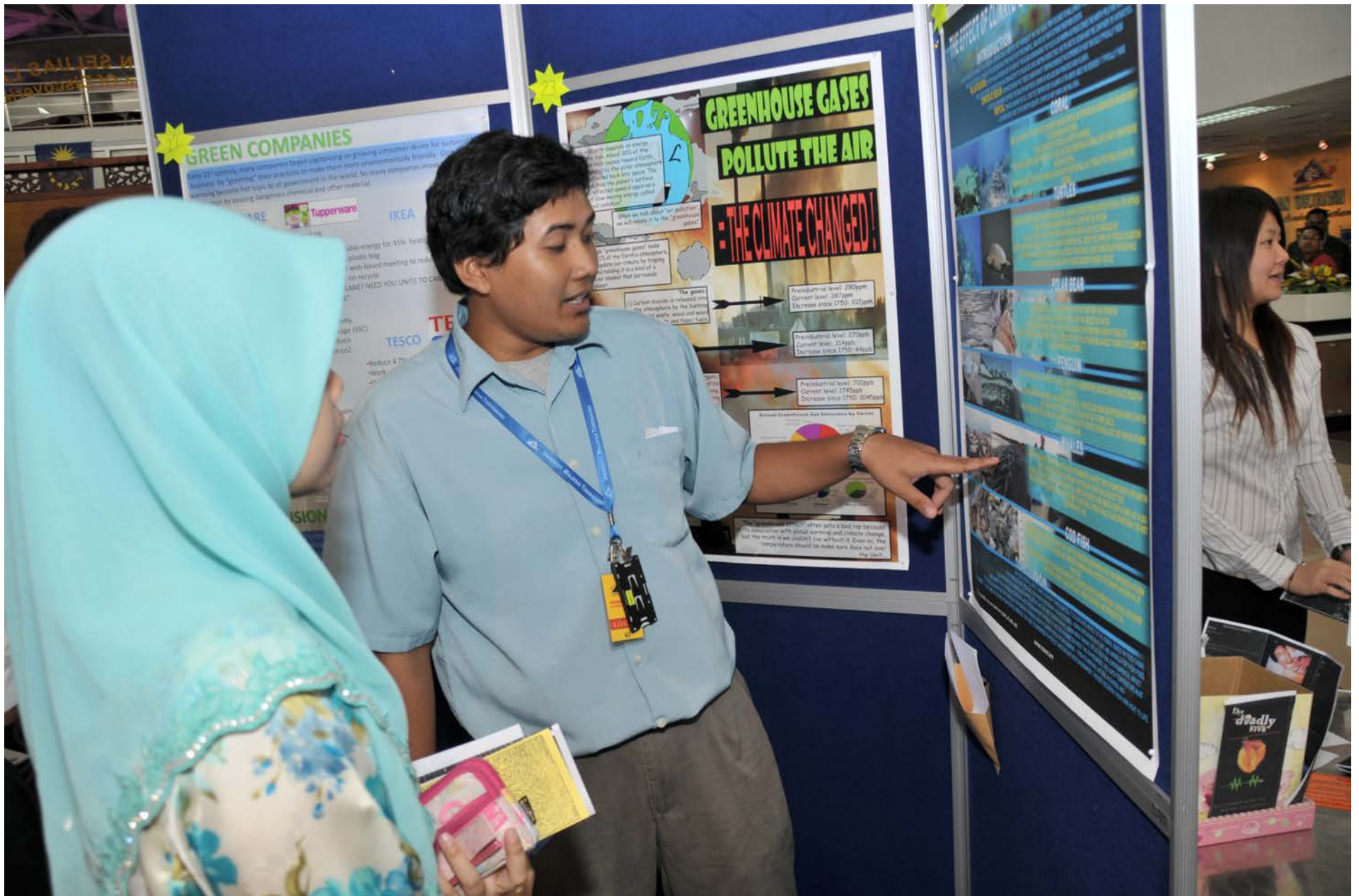
The Ocean Conveyor Belt's role of climate change
 Ocean Conveyor Belt brings warm water to the poles, and cold water to the equator. The water that is pulled and pushed continuously from the poles, since there is with surface water. It is driven by differences in water temperature and salinity. The Ocean Conveyor Belt is responsible for the flow of cold water back to the poles, water moving south which in turn causes a warm water to move north. It is the North Atlantic, it was the circulation of water driven by differences in density.

What happens next?
 Freshwater released into the North Atlantic has reduced in the Atlantic, and will be expected to increase further in the global temperature. The water that is pulled and pushed continuously from the poles, since there is with surface water. It is driven by differences in water temperature and salinity. The Ocean Conveyor Belt is responsible for the flow of cold water back to the poles, water moving south which in turn causes a warm water to move north. It is the North Atlantic, it was the circulation of water driven by differences in density.

Effect of Ocean Conveyor Belt
 The melting of ice in warm regions could change the density of the water in the regions in the North Atlantic. Change in density can cause water to move south, and cause the water to move north. It is the North Atlantic, it was the circulation of water driven by differences in density.

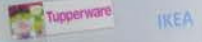






GREEN COMPANIES

Only 221 companies, many committed to growing consumer desire for sustainable products, have been recognized as "green" by the world. So many companies are warming because they hope to all governments in the world. So many companies are warming because they hope to all governments in the world. So many companies are warming because they hope to all governments in the world.



TESCO

GREENHOUSE GASES POLLUTE THE AIR = THE CLIMATE CHANGED!



When we feel about our pollution we will have it to the "greenhouse gas"

A "greenhouse gas" will hold 15% of the Earth's atmosphere. It holds it in a kind of a "blanket" that traps heat.

The gases (1) Carbon dioxide is released into the atmosphere by the burning of fossil fuels, wood and wood products.

Preindustrial level: 280ppm
Current level: 387ppm
Increase since 1750: 107ppm

Preindustrial level: 270ppb
Current level: 314ppb
Increase since 1750: 44ppb

Preindustrial level: 700ppt
Current level: 1740ppt
Increase since 1750: 1040ppt



The "greenhouse effect" often gets a bad rap because it's associated with global warming and climate change, but the world is not "too hot" to live without it. Even so, the temperature should be more sure than ever to rise.

THE EFFECT OF CLIMATE CHANGE

CLIMATE CHANGE IS A REALITY THAT WE CAN NO LONGER IGNORE. IT IS THE RESULT OF HUMAN ACTIVITY AND IT IS CAUSING DANGEROUS AND RAPID CHANGES TO OUR CLIMATE SYSTEM. THESE CHANGES ARE AFFECTING EVERY ASPECT OF OUR LIVES, FROM THE WEATHER WE EXPERIENCE TO THE HEALTH OF OUR PLANET AND THE WELL-BEING OF OUR SOCIETY.

WATER

CLIMATE CHANGE IS CAUSING DANGEROUS AND RAPID CHANGES TO OUR CLIMATE SYSTEM. THESE CHANGES ARE AFFECTING EVERY ASPECT OF OUR LIVES, FROM THE WEATHER WE EXPERIENCE TO THE HEALTH OF OUR PLANET AND THE WELL-BEING OF OUR SOCIETY.

POLEAR BEAR

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ICE SHEETS

CLIMATE CHANGE IS CAUSING DANGEROUS AND RAPID CHANGES TO OUR CLIMATE SYSTEM. THESE CHANGES ARE AFFECTING EVERY ASPECT OF OUR LIVES, FROM THE WEATHER WE EXPERIENCE TO THE HEALTH OF OUR PLANET AND THE WELL-BEING OF OUR SOCIETY.

SEA LEVEL RISE

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WILDFIRES

CLIMATE CHANGE IS CAUSING DANGEROUS AND RAPID CHANGES TO OUR CLIMATE SYSTEM. THESE CHANGES ARE AFFECTING EVERY ASPECT OF OUR LIVES, FROM THE WEATHER WE EXPERIENCE TO THE HEALTH OF OUR PLANET AND THE WELL-BEING OF OUR SOCIETY.

DEADLY FIVE

CLIMATE CHANGE IS CAUSING DANGEROUS AND RAPID CHANGES TO OUR CLIMATE SYSTEM. THESE CHANGES ARE AFFECTING EVERY ASPECT OF OUR LIVES, FROM THE WEATHER WE EXPERIENCE TO THE HEALTH OF OUR PLANET AND THE WELL-BEING OF OUR SOCIETY.







EMERGENCY

Introduction: **Climate change** is a change in the statistical distribution of weather over periods of time that range from decades to millions of years. There are 5 major groups that most effected by climate change.



ECONOMIC

- ✓ Energy consumption will change as demand for electricity.
- ✓ High maintenance for sustainability.

FARMERS

- ✓ The plants can not grow because the soil become very sandy.
- ✓ There are hunger and suffering for people elsewhere in the world.



- ✓ Population of fish decrease significantly due to the...
- ✓ Temperature changes because of ice melting effects...

WEATHER

- ✓ Affect the change of weather pattern.
- ✓ For examples El Nino and La Nina.
- ✓ Heat from the tropic cannot be transfer to other...



- ✓ The design of buildings related with and the impact...
- ✓ Estimated that 150 million environmental...

MARINE SCIENCE YEAR 2 / 2010 G11

14

THE LAST DAY OF SHISHMAREF ALASKA

WE WERE NOT AWAKED!!!

Shishmaref is an island located northeast of Kotzebue Sound in Alaska. It is an extremely remote village that has been the subject of a controversial relocation project. The village of Shishmaref is being moved to a new location because of the threat of global warming. The village is being moved because of the threat of global warming because of the loss of the village's main source of income, the walrus hunt.

What is Global Warming?
Global warming has had increasing effects on the Alaska village of Shishmaref. Shishmaref is being moved because of the threat of global warming because of the loss of the village's main source of income, the walrus hunt.

ENVIRONMENTAL WARMING, FLOODING & EROSION TO NOT ACT... REPRESENTS THE ANNIHILATION OF OUR COMMUNITY BY DISSEMINATION.

1973 - In the aftermath of a massive storm in October 1, 1973 the coastal village of Shishmaref was destroyed by a massive storm.

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2021 - Reconstruction of Shishmaref and the village of Shishmaref was destroyed by a massive storm.

2022 - Reconstruction of Shishmaref and the village of Shishmaref was destroyed by a massive storm.

2023 - Reconstruction of Shishmaref and the village of Shishmaref was destroyed by a massive storm.

2024 - Reconstruction of Shishmaref and the village of Shishmaref was destroyed by a massive storm.

Solution - Relocate - Community Nearby - Subsistence - Culture

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- ✓ Energy consumption will change as demand for electricity increases.
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FARMERS

- ✓ The plants can not grow because the soil became very sandy.
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FISH

- ✓ Population of fish decrease significantly due to the change in water temperature.
- ✓ Temperature changes because of ice melting effect.

WEATHER

- ✓ Affect the change of weather patterns.
- ✓ For examples El Niño and La Niña.
- ✓ Heat from the tropic cannot be transfer to other regions.

DESIGN

- ✓ The design of buildings related with and the weather.
- ✓ Estimated that 150 million environmental.

SCIENCE YEAR 7 / 2020-2021





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2050

two, zero, five, zero

01 Air

01 Air

CO₂ emissions: quantify what needs to be done to improve energy efficiency and reduce energy consumption to meet the 2050 target.

RENEW: energy efficiency and renewable energy, which are key to a sustainable future. The future is not just about renewable energy, but also about the future of energy.

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02 Temperature

02 Temperature

The global temperature rise is expected to be 1.5°C to 2°C by 2050. This is a significant increase, especially in the tropics and subtropics.

RENEW: energy efficiency and renewable energy, which are key to a sustainable future. The future is not just about renewable energy, but also about the future of energy.

03 Water

03 Water

The world's population is expected to reach 9.7 billion by 2050. This will put a significant strain on the world's water resources.

RENEW: energy efficiency and renewable energy, which are key to a sustainable future. The future is not just about renewable energy, but also about the future of energy.

2050
two, zero, five, zero











ARCTIC IS

WHAT IS THE PROBLEM?

Arctic sea ice is melting at an alarming rate. This is due to global warming, which is caused by the release of greenhouse gases from human activities. The melting of sea ice is a major concern because it can lead to a rise in sea levels and a loss of habitat for many species.

HOW CAN WE SOLVE THE PROBLEM?

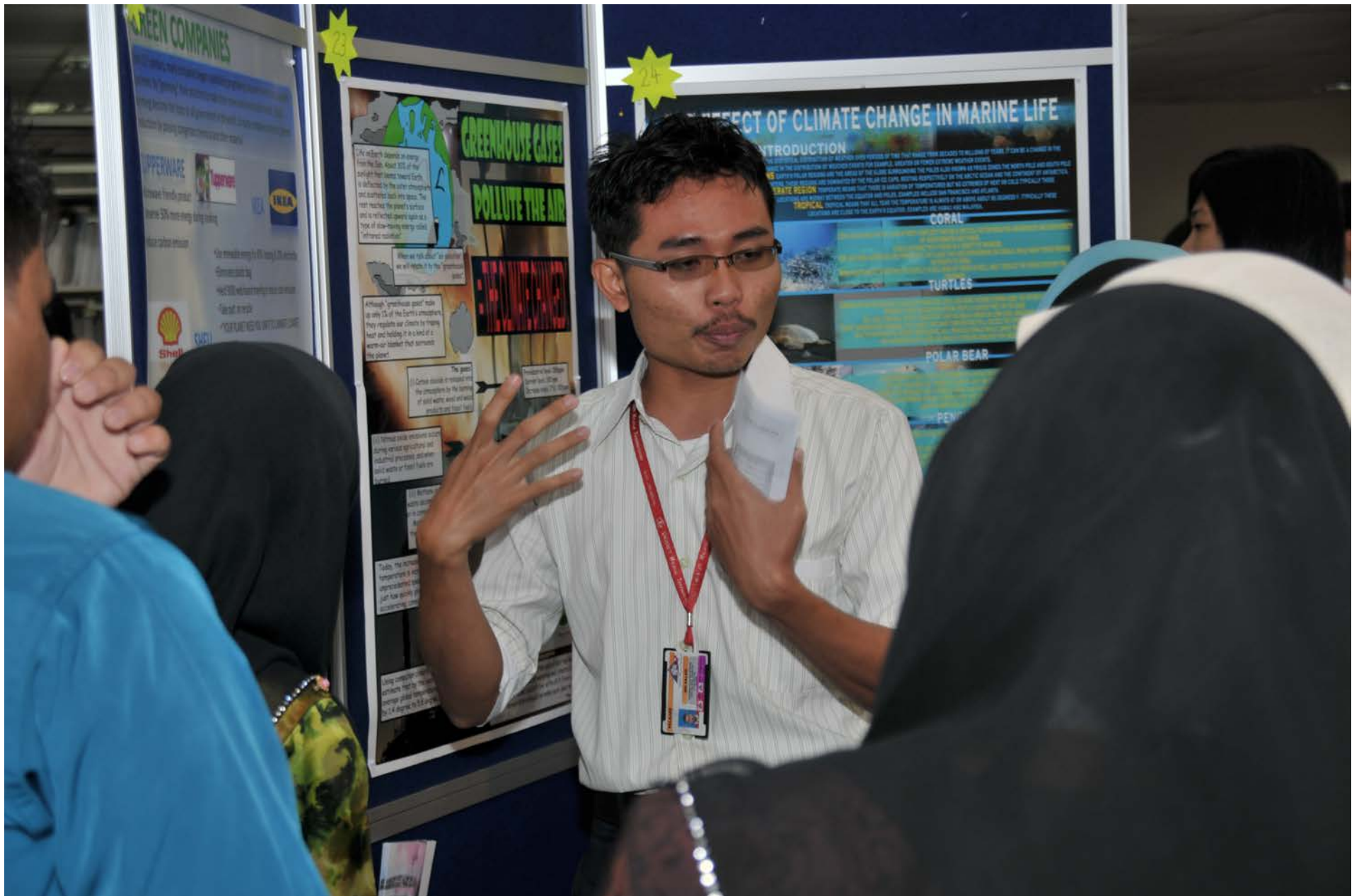
There are several ways to reduce greenhouse gas emissions. We can use renewable energy sources like wind and solar power. We can also improve energy efficiency in our homes and businesses. Finally, we can reduce our consumption of fossil fuels.

SCIENTIFIC FACTS

Over the last 30 years, the Arctic has warmed twice as fast as the rest of the world. This has led to a significant loss of sea ice. Scientists predict that by 2050, there will be no permanent sea ice left in the Arctic.







GREEN COMPANIES

...companies are...
...to "green" their...
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...to bring...

UPPERWARE

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INEA

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Shell

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SHELL

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GREENHOUSE GASES POLLUTE THE AIR

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EFFECT OF CLIMATE CHANGE IN MARINE LIFE

INTRODUCTION

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CREATE REGION

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TROPICAL

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CORAL

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TURTLES

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POLAR BEAR

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PENINSULA

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THE EFFECT OF CLIMATE CHANGE IN MARINE LIFE

IN ORDER TO SURVIVE FOR MILLIONS OF YEARS, IT CAN BE A CHANGE IN THE
UNDER EXTREME WINTER STORMS
A RISE IN SEA LEVELS OF POLAR REGIONS THE NORTH POLE AND GREENLAND
AFFECTED BY THE ARCTIC OCEAN AND THE CONTINENT OF ANTARCTICA
PUNISHED BY THE EXPANSION OF GREAT ICEBERG THROUGH THESE
ICE AND FROSTING AND SO ON.
A BATTLE WITH NATURE ABOUT TO BEGIN? TYPICALLY THESE
RE MARKS AND RELATED.

TURTLES

GREENHOUSE GASES POLLUTE THE AIR

Life on Earth depends on energy from the Sun. About 25% of that energy that comes toward Earth, is reflected by the water atmosphere and atmosphere back into space. The rest reaches the planet's surface and is radiated again as a type of slow-moving energy called "infrared radiation".

When we talk about "air pollution" we all refer to the "greenhouse gases".

Although "greenhouse gases" make up only 1% of the Earth's atmosphere, they regulate our climate by trapping heat and holding it in a kind of a "blanket" that warms the planet.

The gases that are most responsible for global warming are carbon dioxide, methane, and nitrous oxide.

Global warming is a real and growing threat to our planet. It is caused by the increase in greenhouse gases in the atmosphere. This is due to the burning of fossil fuels and deforestation.

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The greenhouse effect is the process by which the atmosphere of the Earth traps heat from the sun. This is done by the greenhouse gases in the atmosphere. The greenhouse effect is a natural process, but it is being enhanced by human activities.

UPPERWARE

Increased family product
Increase 20% more energy being saving
Reduce carbon emission



TESCO



ARD





GREEN COMPANIES

Early 21st century, many companies began capitalizing on growing concern for the environment. "Greening" their practices to make them more environmentally friendly has become a hot topic to all governments in the world. So many companies have started producing products that are more environmentally friendly by passing dangerous chemical and other material.

TUPPERWARE

- Microwave friendly product
- Conserve 50% more energy during cooking
- Reduce carbon emission



SHELL

- Operation: working to use energy more efficiently
- Building our capability in CO₂ capture
- Developing more efficient transport fuels
- Producing products that use less energy

TESCO

- Reduce 4.7% carbon emissions
- Work with others to develop clean power source, to reduce technology required
- "OUR PLANET NEED YOU TO CHANGE"

CONCLUSION

Each one of us has a role to play in protecting our planet. Green companies give us the chance to live more sustainably and to help change and improve the world. So the establishment of green companies is something that we can all work together to protect. We can all do our part to help protect our planet and practice green living. Greenhouse gases are a major cause of climate change and we can all do our part to help reduce them. We can all do our part to help protect our planet and practice green living. We can all do our part to help protect our planet and practice green living.

23

22

22



ANIMAL MIGRATION

Yes, I'm an Arctic penguin. I build nest out of ice and snow. Due to climate change, there is more snowfall and less food available in Antarctic Peninsula, so we have to move further south to find snow-free ground for nesting and breeding.



ANIMAL MIGRATION

"Climate change is changing migration patterns in many, if not most, animal species. In many cases, animals are migrating earlier in the year and to different locations. This is often due to changes in food availability and weather patterns. For example, many birds are migrating earlier in the year and to different locations. This is often due to changes in food availability and weather patterns." (Ramsar et al., 2004; Malcom et al., 2000)

Hi, I'm an Adelie penguin. I build nest out of pebbles on the sparse areas that are free of ice and snow. Due to climate change, there are more snowfall and less food supply in Antarctic Peninsula, so we have to move further south to find snow-free ground for nesting and breeding.

I'm very sensitive to climate and weather. As climate changes, I've had to change my migration patterns. There are more snowfall and less food supply in Antarctic Peninsula, so we have to move further south to find snow-free ground for nesting and breeding.

Conclusion: There is a strong link between climate change and animal migration. We must take action to reduce greenhouse gas emissions to prevent further climate change. This is the main reason why these species are migrating.



FOOD CRISIS

WITH CLIMATE CHANGE
THE RISK OF
FOOD CRISIS

Small text and images of people and food.

ANIMAL MIGRATIONS

Small text and a world map.

the deadly FIVE

Small text and images of animals.

STAND NO. 24815







PERSEKUTUAN (PK)

Persekutuan (PK) adalah organisasi yang dibentuk oleh beberapa negara untuk bekerjasama dalam menangani masalah-masalah yang dihadapi oleh negara-negara tersebut. Tujuan utama Persekutuan adalah untuk mempromosikan kerjasama dan persahabatan antara negara-negara anggotanya.

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HABITAT LOSS

Definisi
Habitat loss is the permanent or semi-permanent destruction of natural habitats, such as forests, wetlands, and grasslands, for human development. This process is a major driver of biodiversity loss and climate change.

Ulasan
Habitat loss is a major driver of biodiversity loss and climate change. It is caused by human activities such as deforestation, agriculture, and urbanization. The loss of natural habitats leads to the extinction of many species and the degradation of ecosystems.

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Melting of GLACIER

