

GENERAL FACTS ABOUT THE NORTH POLE

- **It is the northernmost place on Earth**
- **There is no land at the North Pole, but a thick layer of ice**
- **The North Pole is not part of any country - it is part of international waters**

GENERAL FACTS ABOUT THE NORTH POLE

- **Located in the middle of the Arctic Ocean**
- **Average temperatures in**
 - Winter: around minus 34°C
 - Summer: around 0°C

FUN FACTS ABOUT THE NORTH POLE

- **During summer the sun is always up**
 - Sun rises in March and sets in September
- **While standing on the North Pole every direction is South**
- **The *magnetic* North Pole (where the compass needle points to) is different from the *geographic* North Pole**

ARCTIC ANIMALS

- **Despite of the extreme conditions there are many species which are able to live in the North Pole region e.g.:**
 - Polar Bears
 - Beluga Whales
 - Reindeer
 - Seals & Walruses

ARCTIC ANIMALS

- Arctic Foxes & Arctic Wolves
- Smaller animals like Sea Otters, Wolverines, Rabbits
- Bird species like Snow Owls, Bald Eagles, Geese, Puffins
- **NO PENGUINS** – they live in the Antarctica (South Pole region)

GLOBAL WARMING

- **Our Earth is getting warmer every year**
 - This effect is called global warming
- Small increase in temperature can have a big impact on the global climate and weather conditions:
 - More rain, droughts, wildfires, extreme heat waves, more storms and hurricanes, polar ice cap melting, floods
- First affected living beings are the Arctic and Antarctic animals and marine creatures due to the polar ice cap melting
 - they lose their homes, have not enough food, suffer from the climate etc.

GLOBAL WARMING

- **Global warming is caused by the *greenhouse effect***
 - Earth is surrounded by a layer of gases like a big glass dome
 - This *dome* is called *atmosphere* and prevents temperatures from rising too high or getting too cold

GLOBAL WARMING

- **Problem:** The amounts of some *greenhouse gases* (e.g. carbon dioxide) in the atmosphere are increasing
 - This makes the atmosphere a bit thicker and more heat gets trapped inside
- **It is like a natural greenhouse**
- **The planet warms up**

GLOBAL WARMING

- **Humans influence is very high**
 - We use fossil fuels like coal, gas and oil in cars, machines and to produce energy for our everyday life and industry
 - We consume more and more energy (computers, smart phones, etc.)
 - We travel more and use the car more often

GLOBAL WARMING

- Industrial farming and the meat industry produce lots of greenhouse gases
- We cut down trees, which absorb carbon dioxide

WHAT CAN WE DO TO PREVENT GLOBAL WARMING?

- **Small and easy things you and your parents can do:**
 - Use energy-saving light bulbs & devices
 - Reduce waste, reuse and recycle
 - Buy second hand
 - Stop heating your house when you are not at home

WHAT CAN WE DO TO PREVENT GLOBAL WARMING?

- Turn lights, electrical devices and chargers off when not in use
- Take shorter showers and waste less water
- Use the bike, walk or take the bus or train more often
- Glue broken things instead of buying new ones