

Wanda wonders about global warming.



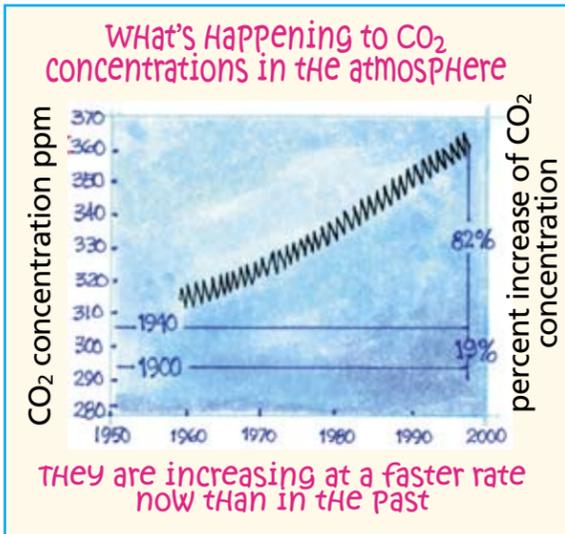
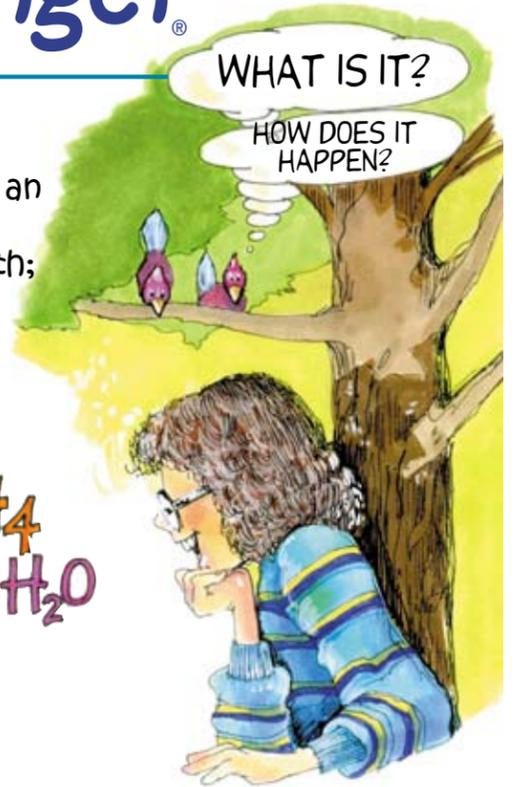
# Environmental Messenger

Acknowledge Our Part

## WHAT IS GLOBAL WARMING?

### So What's Global Warming?

"Global warming" is the rise in the Earth's temperature resulting from an increase in heat-trapping gases in the atmosphere. As greenhouse gases increase in the atmosphere they cause more heat to bounce back to the earth; heat that would normally escape back into outer space. So more heat is sent back to the earth. As a result, the earth's temperature increases.

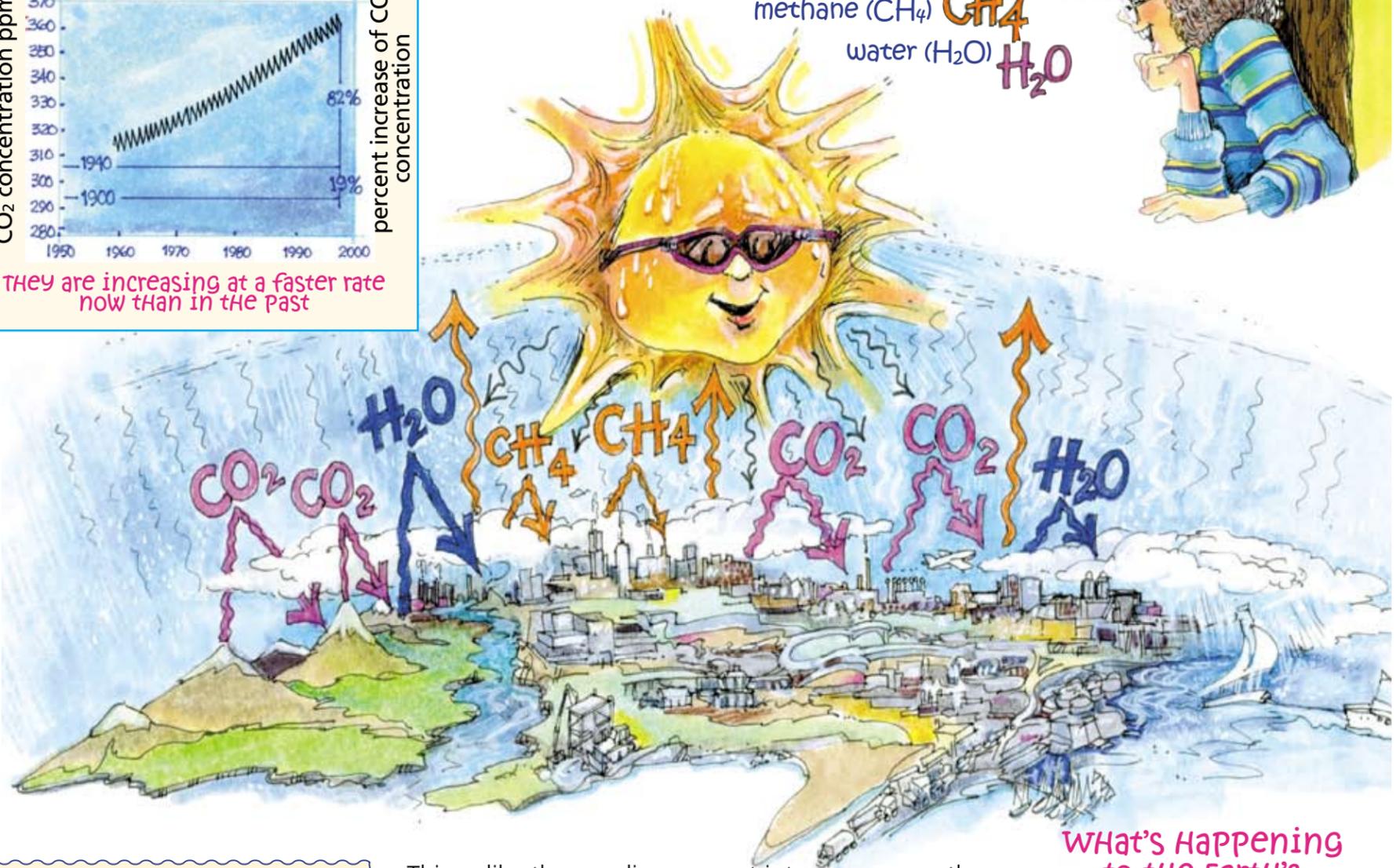
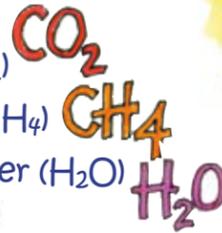


Greenhouse gases include:

Carbon Dioxide (CO<sub>2</sub>)

methane (CH<sub>4</sub>)

water (H<sub>2</sub>O)



### Questions

What activities can you think of that release greenhouse gases?

What impacts do you foresee as a result of the earth's surface warming up?

How could we change our behaviour to release fewer greenhouse gases?

Things like the gasoline you put into your car, or the natural gas you use to heat your home, or the coal burned to make your electricity all come from fossil fuels.

When fossil fuels are burned they release large amounts of carbon dioxide and other greenhouse gases.

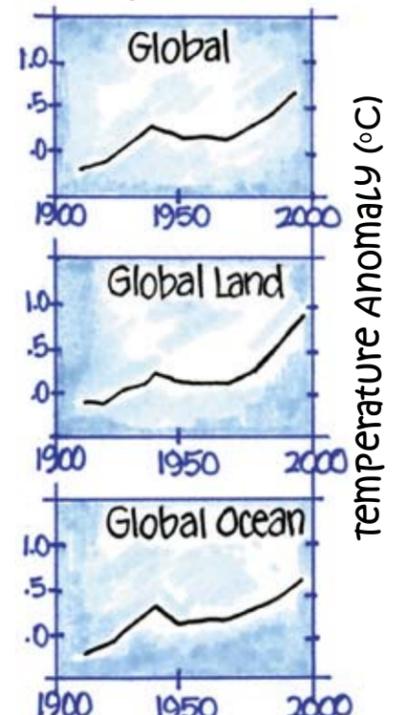
It is estimated that the burning of fossil fuels accounts for 3/4 of carbon dioxide emissions released today.

The more greenhouse gases we release the hotter the earth gets and the more water is found in the atmosphere.

This is an example of how our actions can upset the balance of nature.

*You must be the change you wish to see in the world.*  
Mahatma Gandhi

### What's Happening to the Earth's temperatures



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Next time Wanda learns the potential effects of global warming!