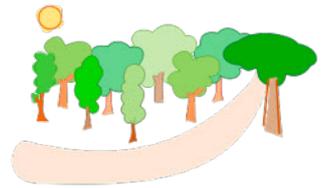


Name: .....



CLIMATE CHANGE AND  
GLOBAL WARMING QUIZ



1. Carbon dioxide, methane and ozone are all examples of 'greenhouse gases' which trap heat in the Earth's atmosphere. **True / False**
2. Water vapour and clouds in our atmosphere also contribute to the 'greenhouse effect'. **True / False**
3. If we could remove all of the greenhouse gases from the Earth's atmosphere our planet would be a better place. **True / False**
4. Scientists have only been aware of global climate change for about 50 years. **True / False**
5. Planet Earth's climate did not change for hundreds of millions of years until humans started burning fossil fuels. **True / False**
6. Fossil fuels such as coal, oil and gas are formed from the remains of animals and plants that died millions of years ago. **True / False**
7. Global warming will mostly affect humans and not animals. **True / False**
8. Coal burning power stations (which generate electricity) are responsible for most of the man-made carbon dioxide in our atmosphere. **True / False**

**CLIMATE CHANGE AND GLOBAL WARMING QUIZ**

**\* ANSWER SHEET \***

1. Carbon dioxide, methane and ozone are all examples of 'greenhouse gases' which trap heat in the Earth's atmosphere. **TRUE**
2. Water vapour and clouds in our atmosphere also contribute to the 'greenhouse effect'. **TRUE** *In fact, water vapour is responsible for more of the greenhouse effect that warms our planet than any other gas.*
3. If we could remove all of the greenhouse gases from the Earth's atmosphere our planet would be a better place. **FALSE** *Without greenhouse gases our planet would not be warm enough to support life. The gases only cause problems when they become too concentrated.*
4. Scientists have only been aware of global climate change for about 50 years. **FALSE** *It was around 200 years ago that scientists first began to suspect that the Earth's climate had changed many times in the past.*
5. Planet Earth's climate did not change for hundreds of millions of years until humans started burning fossil fuels. **FALSE** *The Earth's climate has regularly changed over its 4.5 billion year history.*
6. Fossil fuels such as coal, oil and gas are formed from the remains of animals and plants that died millions of years ago. **TRUE**
7. Global warming will mostly affect humans and not animals. **FALSE** *Scientists predict that in this century global warming will be the main cause of animals becoming extinct. A global temperature rise of just 1.5°C (1.8°F) could put a quarter of all species at risk!*
8. Coal burning power stations (which generate electricity) are responsible for most of the man-made carbon dioxide in our atmosphere. **TRUE** *It is estimated that coal burning power stations are responsible for around 40% of all man-made carbon dioxide in our atmosphere.*