

Activity 5: Lesson Plan 1

Climate Whiz QUIZ

- 1) What are greenhouse gases?
 - a) Gases that trap heat above the earth
 - b) Gases that are made by plants growing in greenhouses
 - c) Gases used to heat greenhouses so they are warm enough for plants to grow

- 2) What is the chief greenhouse gas that results from human activity?
 - a) Ozone
 - b) O₂ – oxygen
 - c) CO₂ – carbon dioxide

- 3) 5 per cent of the world's population lives in the United States of America. What percentage of the world's CO₂ emissions does the United States produce?
 - a) 25 percent
 - b) 15 percent
 - c) 5 percent

- 4) 14 per cent of the world's population lives in Africa. What percentage of the world's CO₂ emissions does Africa produce?
 - a) 3.6 percent
 - b) 30.8 percent
 - c) 10.2 percent

- 5) By how many degrees centigrade has the temperature risen worldwide since 1880?
 - a) 0.1°C
 - b) 0.5°C
 - c) 0.8°C

- 6) Which of the following can be caused by global warming and climate change?
 - a) Hurricanes, Floods
 - b) Droughts
 - c) Spread of tropical diseases e.g. malaria, dengue virus
 - d) All of the above

- 7) According to the World Health Organization, how many deaths are estimated to occur annually as a result of climate change?
 - a) 150,000
 - b) 100,000
 - c) 25,000

- 8) If temperatures rise by as little as 2°C by the end of the 21st century, what percentage of summer sea ice on the North Pole is predicted to melt away?
 - a) 40 percent
 - b) 60 percent
 - c) 100 per cent

- 9) If temperatures rise by as little as 2°C what percentage of species could become extinct?
 - a) 5 percent
 - b) 20 percent
 - c) 30 percent

- 10) If greenhouse gas emissions are left unchecked till 2100, up to how many degrees centigrade is the temperature of the world predicted to rise?
- a) 2°C
 - b) 4°C
 - c) 6°C
- 11) By 2025 what percentage of the world's population will be living in areas at risk from storms and other weather extremes?
- a) 25 per cent
 - b) 50 percent
 - c) 10 percent
- 12) By 2050 how many people could become environmental refugees?
- a) At least 10 million
 - b) At least 50 million
 - c) At least 200 million
- 13) The energy saved by recycling one aluminium drink can is enough to run a TV for how long?
- a) 3 hours
 - b) 3 minutes
 - c) 30 minutes
- 14) The amount of energy poured onto the Earth by the Sun every 15 minutes is equivalent to what?
- a) The world's electricity needs for a month
 - b) The world's electricity needs for a year
 - c) The world's electricity needs for a day
- 15) How much carbon-dioxide is put into the air for every liter of gas an average car uses?
- a) None
 - b) 1 kg
 - c) 2.4 kg