Your Name

Instructor Name

Course Number

Date

Research Project

**Title**

How Can We Best Reduce Global Warming?

**Background**

Global warming is described as a complex phenomenon. Global warming is wrought by a series of greenhouse gases i.e. hydrofluorocarbons, carbon dioxide, sulfur hexafluoride, chlorofluorocarbon, ozone, methane, and water vapors. These gases come from a wide variety of sources. In industrialized countries, the major proportion of carbon dioxide comes from carbon-based fossil fuel burning. In the past, CFCs have been used as a propellant and refrigerant in aerosol sprays. Methane is produced during organic waste decomposition. Anthropogenic nitrous oxide is produced by different agriculture activities (Weller et al.).

**Rationale**

Carbon dioxide is a major contributing gas to the greenhouse effect. It accounts for 80% of the total impact. It is demonstrated that global warming will affect the world even if we dramatically reduce the emission of greenhouse gases. People must understand how global warming is going to affect them and what strategies are necessary to reduce the impact of global warming. Education about global warming from school to university level is very important to raise environmental consciousness among different nations. Children are among the major victims of a warming world, but they are also powerful protagonists for change. Therefore, it is important to explore children’s ideas about the causes, consequences, and cure of global warming (Karpudewan, Roth and Abdullah). This will be a question-based survey to explore the ideas of children about the extent to which different strategies can contribute towards reducing global warming.

**Methodology**

The questionnaire will be distributed to students of grades 7 and 9. Both open-ended and close-ended questions will be used. The younger (8 year old) students will be asked to write about “What we can do to stop global warming?” The older (10 year old) students will be asked to mention “steps which people can do themselves to prevent global warming” and “steps which industries and the government can take to reduce global warming”. Data will be entered into an excel sheet and results will be presented in graphical form.

**Works Cited:**

Karpudewan, Mageswary, Wolff-Michael Roth, and Mohd Nor Syahrir Bin Abdullah. "Enhancing Primary School Students' Knowledge About Global Warming and Environmental Attitude Using Climate Change Activities." *International Journal of Science Education* 37.1 (2015): 31-54. Print.

Weller, Sebastian, et al. "Greenhouse Gas Emissions and Global Warming Potential of Traditional and Diversified Tropical Rice Rotation Systems." *Global Change Biology* 22.1 (2016): 432-48. Print.