



GLOBAL WARMING CONCLUSIONS

Today is the big debate on global warming between two political candidates. Raven and Crow stand on opposite sides of the stage, while the moderator, Teddy Bear is in the middle.

Teddy: Our debate today focuses on global warming. You will have five minutes to prepare, and then you will each make an opening statement. After that, I will ask you questions. Topic: If you are elected, what will be your policy on global warming? What can be done to fight global warming?

Crow writes notes on a legal pad and Raven taps into his tablet.

Teddy: Crow you are first, then Raven will follow.

Crow: First, let me be clear. I think global warming is an overrated, scare tactic. I fly all around this state and I don't see any evidence of global warming. Our focus needs to be on what is happening right here and right now. I believe we need a strong economy, so we have to maintain power plants and coalmines.

Raven (*reads from his notes*): I've read a number of scientific reports on global warming and they all conclude that increased emissions from greenhouse gases are changing, warming the environment. According to United Nations Climate Action there are seven main cause of greenhouse gas emissions. First, electricity and heat generated from fossil fuels. Second, manufacturing and industry use fossil fuels to produce energy for making goods. Third, cutting down forests releases carbon dioxide. Fourth, transportation since most vehicles use fossil fuels. Fifth, food production. Methane is released into the air from livestock, production and use of fertilizers, agricultural machinery, as well as packaging and distributing food. Sixth, powering buildings with electricity. Seventh, too much consumption, all of the above, results in greenhouse gas emissions.

Teddy: What effect do increased greenhouse gases have on the environment?

Crow: I understand that Arctic ice is melting, but that does not really affect me or the birds right here in this state.

Raven: Scientific studies show that glaciers are melting, river and lake ice breaks up earlier, plant and animal habitats are moving to other areas. They also observe that trees and plants bloom earlier now. These changes affect everyone all over the world. We can't think only about ourselves.

Teddy: What are some simple things that anyone can do to stop global warming?

Raven: *Reduce, reuse, recycle.* **Reduce** use of electricity. **Reuse** packaging. **Recycle** paper, plastics, glass, metal.

Crow: Compost, conserve, change. **Compost** plant residue. **Conserve** energy. **Change** to environmental friendly products.

Teddy: Excellent! So we can end the debate with Crow’s 3Cs and Raven’s 3Rs. I will put them together in one poster – five Rs - reduce, reuse, recycle, restore, regularly use



What can I do to stop global warming? What do I reduce, reuse and recycle? What do I compost? What changes do I make in using energy?

Scientific note: Greenhouse gas comes from four main sources: 1) Carbon dioxide(CO₂) comes from natural processes and burning fossil fuels. 2) Methane gas comes from natural and human made sources. Natural: plant-matter breakdown. Human-made: livestock (cows, chickens) digestive emissions, emission from fossil fuel production (like natural gas) and transportation. 3) Nitrous oxide is produced by farming practices, commercial and organic fertilizer, burning fossil fuels and vegetation. 4) Chlorofluorocarbons (CFCs) are industrially produced chemical compounds, used for refrigerants, solvents, spray can propellants.

Reduce use of electricity
Reuse packaging
Recycle paper, plastic, glass, metal

Compost plant residue
Conserve energy
Change to eco-friendly products

Problem: global warming

5R solution:
***Reduce use of electricity, energy.**
***Reuse packaging.**
***Recycle paper, plastic, glass, metal.**
***Restore natural cycles by composting plant residue.**
***Regularly use eco-friendly products.**