

Student Research Worksheet

Research Questions	Student Notes
What types of gasses are considered to be greenhouse gasses?	
What is the definition of a carbon footprint? What is your personal carbon footprint? https://www.carbonfootprint.com/calculator.aspx	
What types of natural resources are found in your country?	
What is the most common energy source used in your community? Do all people have access to this energy?	
Is this energy source sustainable?	
How many CO ₂ emissions does your country produce? What is the percentage share of the world's total emissions?	

<p>Does your country have established infrastructure to help people recycle their garbage? Is the garbage collection efficient? Are recycling and garbage collection policies the same across every town/State in your country?</p>	
<p>Where is the closest landfill to your house? Where is the closest recycling plant?</p>	
<p>Does your country have any policies to reduce waste?</p>	
<p>Are there any policies in your country in order to limit energy consumption?</p>	

School Investigation Worksheet

Investigate!	Notes and Observations
How many lights are in the school/classroom? Are the lights used all day?	
Does your school have power, internet, and electricity at all hours of the school day? What times do these energy sources turn on and off?	
Does your school have solar panels?	
Do the lights in your school have motion sensors so that they turn off when no one is in the room and save energy?	
Do you have computers? How long does it take computers to go into power saving mode? Are these computers taking up a lot of the school energy?	
Does your school have air conditioning or heat that contributes to energy consumption?	
Do the doors properly close, or do they let in heat or the cold?	

<p>Are there objects covering the radiators? If so, they might not be heating the room well and it is not energy efficient.</p>	
<p>Does your school go on many field trips that involve carbon dioxide-emitting vehicles and planes?</p>	
<p>How do the majority of students travel to and from school? Do they walk, take public transportation, or drive?</p>	
<p>Do the sinks in the bathroom turn off automatically?</p>	
<p>Do you have water fountains in your school?</p>	
<p>On average, how much water and electricity does your school consume every year?</p>	
<p>Does your school recycle? Do they compost?</p>	
<p>Are any of the products used in your school biodegradable?</p>	

<p>Is there a chemistry lab in your school? What is done with the hazardous waste produced at the end of the experiments and classes?</p>	
<p>Given all these questions and notes above, what is the biggest problem in your school? How can you help your school community in this area? Write down your ideas here:</p>	

Action Planning Template (For Students):

<p>Describe your idea or action.</p>	
<p>Where will you implement your action? Your school, or local community?</p>	
<p>What is your #1 goal in completing this action? How many people do you want to reach? What exactly will you accomplish?</p>	
<p>What do you know about this topic? Use research, facts, and statistics that you gathered.</p>	
<p>What are your next steps for completing this action?</p>	