What is the #2 pollutant in the world?
a. Antibiotics
b. CO₂
c. Textile Industry
d. Agriculture

What was the treaty signed in 1997 to slow climate change?
a. Paris Agreement
b. Kyoto Protocol
c. UNFCCC Treaty
d. Clean Air Act

`Write one of the acid rain formulas

Describe how antibiotics are an issue in agriculture

Which of these companies is NOT reducing carbom
A. IBM
B. Toyota
C. Wal-Mart
D. Ford

Which of the following is a reason why sulfur gets up in the atmosphere?
A. Burning coal
B. Burning diesel
C. Smelting sulfide minerals
D. All of the above

What is the No Regret Strategy?

What is Acid Rain and what is the formula?

Why sulfur is found in the air?
a. Burning coal
b. Burning diesel
c. Smelting metals
d. All the above

What is the #2 pollution in the US
a. Agricultural
b. CO2
c. Methane

What is an acid rain?

How does antibiotic being use in agriculture?

What chemicals does poop emit that causes an issue?

Why is agriculture the number one contributor to greenhouse gases globally?

Why are solutions to acid rain an issue?
(MC)

How much will the amazon rainforest decrease because of precipitation changes?
(MC)

1. Individuals can make a difference in climate change too. Some things each person can
do are:
a. Change their diet
b. Change transportation methods
c. Vote
d. All of the above

2. The U.S. state that has set a goal to be carbon neutral by 2030 is:
a. California
b. Hawaii
c. Michigan

1. Give one solution to help clean up greenhouse gas emissions (we talked about many).

1. Describe the process of acid rain formation. Draw a cycle to demonstrate how it enters the atmosphere and why it is bad.

True or false: Too much ozone can impair an individual’s ability to breathe, limit visibility, and
alter plant growth.
A. True
B. False

What is not a type of pollution cows cause/contribute to?
A. Light
B. Water
C. Air
D. Soil

What is nitrification and what are the two gasses produced by it?

Explain supply chains and the 6 different topics that correlate along with it.

1. How large is the agriculture enterprise in the US?
a. 1.1 Trillion dollars
b. 1 Billion dollars
c. 1 Million dollars
d. 1 Trillion dollars

2. What makes good fertilizer?
a. Ammonia
b. Poop
c. Worms
d. A and B

3. What is one reason sulfur is in the air?

4. How can we prevent acid rain?

1. What is acid rain?
a. Sulfur oxides and nitrogen oxides mixed with water
b. Water that is hot
c. Bleach and soapy water
d. Battery acid and water

2. What does NH3 stand for?
a. No house for 3
b. Natural horoscope
c. Ammonia
d. 3 non homeless
e. None of these

3. How does sulfur get in the atmosphere?

4. List 2 agricultural pollutants and explain why/what they do

1. What percent of US land is dedicated to agriculture?
a. 20%
b. 60%
c. 40%
d. 15%

2. True/ False: The most acidic a chemical can be is a 14 on the ph scale.

3. How is acid rain made?

4. List and explain three tradeoffs for imposing a carbon tax.

● True or False: Almost one fifth of the landfills in the US are owned by 2
companies

● About where does acid rain fall on the pH scale?
○ 3
○ 5
○ 7
○ 11

● Describe how acid rain is created, and how it affects the environment

● \_\_\_\_\_\_\_ pollutants are the 2nd biggest pollutant, after CO2 and Methane

1. How highly is agriculture ranked in the global scheme of pollutants?
a. #1
b. #2
c. #3
d. #4

2. What is a primary reason we haven’t fixed acid rain?
a. Economics
b. Lack of care
c. Unable to with current technology
d. Impossible

3. Who is impacted by acid rain (local, global, etc)?

4. What are some individual choices that can be made to lessen global warming?

1. What act did the United States not sign on climate change?
a. Paris Agreement
b. Shanghai Accords
c. Kyoto Protocol
d. London Deal

2. What percentage of jobs in the U.S are on farms
a. 10%
b. 20%
c. 5.3%
d. 2.1%
e. 1.4%

3. What are the issues that led to the disaster at Flint MI?

4. Explain the environmental problems with fast fashion e.g., supply chain, countries laws etc..

1). What percentage of methane emissions in the last few hundred years are from human
activities?
a). 60%
b). 35%
c). 75%
d). 90%

2). Which of these are forces of climate change?
a). ozone depletion
b). permafrost melting
c). pollution
d). all of the above
e). a and b

3). What greenhouse gas is sequestered in permafrost?

4). What are the potential effects of a warmer atmosphere and why should we care?

What is the most important thing you can do to combat climate change?
a. Sell your car
b. Make your own clothes
c. Stop eating meat
d. Vote

How much of all U.S. land is devoted to agriculture?
a. 69%
b. 20%
c. 40%
d. 90%

Short Answer: What is acid rain?

Essay question: Certain countries around the world have become carbon neutral. What does this mean? How have they achieved this goal?

1. Which answer is not a given solution to prevent Greenhouse Gas Emissions?
a. Improve energy efficiency to reduce fossil fuel use
b. Switching from Natural Gas and Petroleum to Coal
c. Increase low-carbon renewable energy resources
d. Shift to more sustainable and climate friendly agriculture

2. Which of the following is not considered an agricultural pollutant?
a. Pesticides, Herbicides, and Fungicides
b. Antibiotics
c. Exhaust from gas powered vehicles
d. Soil Salinization

1. Explain what a positive feedback loop is in pollution.

1. Explain how Ammonia (NH3) is considered a pollutant and what industry it comes from primarily. Why is it used? How does it affect humans?

1) Sulfuric acid forms in the atmosphere when sulfur dioxide reacts with what chemical?
a) H20 (water)
b) 2H2O (heavy water)
c) O2 (dioxygen)
d) 4HNO3 (nitric acid)

2) What is the primary problem with solar power?
a) It is an extremely easy business to start, undercutting competitors
b) Battery technology struggles to keep stored energy during night or overcast skies
c) It is simply much more economical to open a coal factory, especially in the US
d) Government subsidies have destroyed private solar industries

1) What three major global areas contribute the most to SO2 (sulfur oxide) pollution?

1) Are global SO2 emissions decreasing or increasing? What continent or country is leading the way in the change, and why do you suppose they are?

What is a disadvantage of taxing carbon emissions?

What is NOT a disadvantage in capping carbon emissions?
a. Vulnerable to cheating
b. Rich polluters keep polluting
c. J
d. Revenues are not predictable

Which of these are an agricultural pollutant?
a. Ammonia
b. Poop
c. Antibiotics
d. All of the above

Explain how an agricultural pollutant can affect humans.