**Part 1: Lecture Notetaking** {Give this like you would give a class lecture together with the pptx.] **Global Warming Causes and Effects**

One of the biggest problems in the world right now is global warming. Global warming means that the world’s climate is slowly becoming warmer and warmer. Its effects on animals and on agriculture are very scary, and the effects on the human population are even scarier. Have you ever thought about these effects, or about what causes global warming? Many people disagree about the causes of global warming, but the effects are definitely very serious.

Today, I want to talk about two causes and two effects of global warming.

The first cause of global warming is burning fossil fuels. Fossil fuels are natural fuels such as oil or gas. How do we use fossil fuels? One example of how humans use fossil fuels is transportation. Today, our population is growing very quickly, so we need more cars, trucks, trains, and airplanes. We often use gasoline for these types of transportation. Because gasoline is a fossil fuel, more transportation means we are increasing our use of fossil fuels every day. When we use fossil fuels like gasoline, we put harmful carbon dioxide into the air. In fact, transportation is responsible for about 33% of the carbon dioxide being put into the air in the U.S.

Another cause of global warming is deforestation. Deforestation means all the trees in one area are cut down or burned by humans. One reason for deforestation is to use the trees for products such as paper and furniture. Also, we eat large amounts of meat from animals that need grass to eat. Therefore, humans cut down trees to make space for grass to grow and animals to eat. Another cause of deforestation is to make more land available for houses. If humans want to build a new city, they will cut down trees to make space. Trees are important for our world because they keep carbon dioxide from entering the environment. As a result of removing trees from the land, large amounts of carbon dioxide goes into the atmosphere. This leads to global warming.

Now I want to tell you about some of the serious effects of global warming.

One effect of global warming is more and stronger storms, such as hurricanes. Scientists have found that global warming will cause storms to become stronger and the result will be the most extreme storms worldwide. One way the storms will be more extreme is the length of the storm. Because of global warming, the storms will last a longer time. In addition, the maximum wind speeds of the strongest hurricanes are increasing. The wind speeds are increasing because the temperature of the ocean is also increasing. Storms get their energy from warm water, so if the temperature of the ocean is higher, the storms will have more energy. One effect of the wind speeds increasing is more damage to buildings and roads during a storm.

The second effect of global warming that I want talk about is the extinction of many animals.

According to a report in a magazine called *Nature*, many scientists believe that the rising temperatures will lead to the extinction of more than a million species before 2050. One million species is about one-fourth of the Earth’s species right now! The number of endangered animals, such as the tiger and the rhinoceros, is growing. Humans cannot live without these many different kinds of animals on Earth, so this is scary news for humans. Animals have to move to new, cooler areas to live because the temperature is increasing. Some animals, such as the polar bear, cannot find a cooler place to live. Scientists predict that the polar bear could be extinct in less than 100 years.

In conclusion, as you can see, global warming is a very serious problem. I explained two causes of global warming – burning fossil fuels and deforestation – and two effects – more and stronger storms and the extinction of many animals. It is important that we learn about global warming so humans can try to save the Earth.

Adapted from:

Planetsave (2009). Global Warming Effects and Causes: A Top 10 List. Retrieved from <http://planetsave.com/2009/06/07/global-warming-effects-and-causes-a-top-10-list/> on August 2, 2016

Bradford, Alina (2015). Deforestation: Facts, Causes & Effects. Retrieved from <http://www.livescience.com/27692-deforestation.html> on August 2, 2016.

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The Nature Conservancy (2015). Stronger Storms and Hurricanes. Retrieved from [http://www.nature.org/ourinitiatives/urgentissues/global-warming-climate-change/threats-impacts/stronger-storms.xml on August 2](http://www.nature.org/ourinitiatives/urgentissues/global-warming-climate-change/threats-impacts/stronger-storms.xml%20on%20August%202), 2016

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**Part 2: Fact or Opinion**

1. The worst effect of global warming is the extinction of many animals. (O)
2. The rhinoceros is an endangered animal. (F)
3. The effects of global warming for humans are scarier than the effects of global warming for animals. (O)
4. Today, transportation is responsible for about 33% of carbon dioxide being put into the air in the U.S. (F)
5. People should care more about global warming. (O)

**Part 3: Notetaking**

1. The number of people in the United States is increasing.
2. There are about 70 million dogs and cats in the United States.
3. Studying leads to higher grades.
4. The woman has less books than the man.
5. Dinosaurs lived on the Earth 65 million years ago.
6. Herbivores do not eat meat.