**Objective 7.E.1.6: Air Quality, Greenhouse Effect, and Global Warming Study Guide**

**Directions:** Fill in the chart with the causes, effects, and solutions to global warming.

|  |  |  |
| --- | --- | --- |
| **Causes** | **Effects** | **Solutions** |
|  |  |  |
|  |  |  |
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**Directions:** Explain the relationship between global warming, the greenhouse effect, carbon dioxide, and fossil fuels.

**Directions: Label the following either as renewable or nonrenewable:**

|  |  |
| --- | --- |
| **Source of Energy** | **Renewable or Nonrenewable** |
| Solar |  |
| Coal |  |
| Petroleum |  |
| Nuclear |  |
| Wind |  |

**Directions:** Answer the following questions.

1. How is the greenhouse effect both harmful and helpful?

2. Why do scientists recommend using renewable resources for energy?

3. What are chloroflourocarbons (CFC’s) and what do they do to the good ozone in the stratosphere?

4. What is the difference between the good and bad ozone? Make sure to include where they are in the atmosphere.

5. What is the difference between particulate matter and greenhouse gases? Give an example of each.

6. Why do we use fossil fuels (nonrenewable resources) rather than solar and nuclear energy?

7. If we continue to increase our usage of fossil fuels for the next decade, what will happen to the levels of carbon dioxide in our atmosphere? How will this affect our atmosphere?