

Evidence of Global Warming

The ice in the Arctic is _____ quickly. Soon there may be no ice at all in the Arctic. Hurricanes and typhoons have _____ in number and strength. In 2012, a deadly typhoon in the Philippines _____ more than one thousand people, and hurricane Sandy caused great _____ in the east coast of the USA. Recent droughts and floods have _____ people's homes, food, and lives.

Understanding Extreme Weather and Global Warming

Global warming is the _____ in average temperature of the Earth. Many people believed that recent _____ were caused by global warming. Because of the complexity of weather, nobody knows if a single natural disaster like the 2012 typhoon in the Philippines was _____ by global warming. However we do know that the number and _____ of natural disasters has increased as our planet has grown warmer.

The Greenhouse Effect, the Cause of Global Warming

_____ including carbon dioxide are responsible for global warming. When sunlight shines on the Earth, some is absorbed as _____ and some is reflected as _____. Part of the reflected sunlight returns to space. Another part is _____ by greenhouse gases and warms the Earth. The heat trapped by the greenhouse gases is known as the greenhouse effect and is the _____ that causes global warming.

The Greenhouse Effect and the Natural History of the Earth.

Greenhouse gases have been in our _____ since almost the beginning of the Earth about 4.6 billion years ago. The levels of Greenhouse gases have kept the _____ of the Earth relatively stable during this time. Throughout in the history of the Earth, there have been periods of both global _____ and global _____. However, these periods took place over great periods of time, allowing life on Earth to _____.