Read the text. Try to match the following themes (1-6) with the paragraphs (A-F).

1. *It takes decades to feel climate change.*
2. *The Earth's lifetime has experienced drastic climate change.*
3. *We are covered with a heavy blanket.*
4. *Farmers' effect on the earth.*
5. *Terms that lead to misconceptions.*
6. *Consequences of changes in animal habitats.*

Climate Change



A- _____ Temperature change may be a common concern for many individuals. The weather will vary daily or perhaps from hour to hour. On the other hand, the climate in a region typically takes an extended period time to vary. Climate refers to the average temperature and conditions in a specific place over a long time, measured in years. Climate doesn't change daily or even month to month; instead, it typically takes hundreds, thousands, or millions of years to change.

B- _____ It is evident that the weather of our planet varies in different places. As an example, the climate within the desert is hot and dry, while in a rainforest, it's typically hot and wet, and in some mountainous regions and other places, it is cold year-round. In today's world, the phrase "climate change" is common, and it usually refers to the process in which the earth's temperature goes up and up, which is commonly known as warming. Most people will agree on the weather; however, climate change or global warming results in disagreement.

C- _____ The Earth has experienced significant fluctuations in temperature over its 4.5-billion-year history; therefore, that in itself is not a reason to start freaking out. There's an awareness among all scientists that the climate changed frequently throughout the first 4.5 billion years. However, it's also an indisputable fact that the Earth's average temperature has increased by 1.33°C over the past hundred years between the 1900s and the 2000s. Reviewing the past two hundred years, it has increased by 1.8°C. This might not sound like a huge change, but it will transform the world.

D- _____ If you examine the Earth, you may realize that it is covered like a greenhouse: a "glass-covered" building that absorbs the warmth from the sun, which some farmers use to grow plants. Greenhouses are very hot. Of course, the world isn't lined with glass; however, the "greenhouse effect" refers to the retention of the sun's heat in the Earth's lower atmosphere by greenhouse gases. Climate change can be the result of some causes that can't be prevented and have little or nothing to do with individuals. However, there are other causes that certainly seem to be associated with human behaviors. Fossil fuels are natural materials found in and on the Earth, like oil, coal, and natural gas. Once they are burned, the gases are emitted into the atmosphere, which adds to the "blanket" covering the Earth.

E- _____ Farmers additionally contribute to the greenhouse effect. There are over 1.5 billion cows in the world, and they release methane gas daily, adding more to the "blanket" covering the Earth. Carbon dioxide is one of the greenhouse gases that is absorbed by the trees and forests throughout the globe, and then released as oxygen. Sadly, the cutting down of trees and forests to make way for farms, roads, oil mines, and dams further results in the greenhouse effect and a thicker "blanket." This method is termed deforestation.

F- _____ It is incredibly obvious that a hotter climate will negatively affect the Earth. It may lead to heavier precipitation, uncommon season changes, heat waves, etc. Animals living at the north or south poles, such as polar bears and seals, suffer from the melting of their natural habitats as a result of hotter temperatures. As a result of the hotter climate, orangutans in the rainforests are losing their homes, and ocean turtles are losing nesting beaches as a result of rising ocean levels. In developing countries, farming faces increased rain, floods, and droughts; additionally, certain types of food could become scarce, unavailable, or costlier for individuals to buy. In summary, climate change has occurred since before humans' existence on Earth; however, the average temperature has increased over the past two hundred years. Many scientists believe that this is a result of human behavior, and changing a number of those behaviors can have a positive effect on climate change and global warming.

LIVEWORKSHEETS



Now read the text carefully, and find answers to each of the following questions:

1. How can you tell that the earth's climate is changing in different places?

2. The process of the Earth getting warmer refers to

_____

_____

_____

3. List some of the gases that have spoiled the earth's environment.

4. Explain how a warmer climate affects our planet

Indicate whether the following statements are true or false, and justify your answer:



1. On average, the Earth has become warmer over the past 200 years.

2. According to scientists, climate change is affecting our planet; it was discovered 200 years ago.

3. Fossil fuels cause global warming.

4. There are a variety of climates on Earth.

Use the words in capitals to form a word that fits into the space next to it:

There is an _____ (ARGUE) that _____ (RECYCLE) may not be anticipated as having negative effects. Of course, it would be a big _____ (ACHIEVE) if we were able to increase _____ (AWARE) to the bad effects on the environment caused by _____ (POLLUTE) and the _____ (BURN) of fossil fuels. However, if the public's only_____(INVOLVE) in ecological issues is taking their newspapers and bottles to a recycling place, we may only be making the _____ (APPEAR) of _____ (IMPROVE). If people have to drive any _____ (DISTANT) to the recycling place, for example, it might mean the _____ (CONSUME) of more energy than is saved.

LIVEWORKSHEETS