TRS501 – Earth science - CAUSE AND EFFECT

1. Cause of smth is....
   - Another natural cause of climate change is _____ _____.
2. cause + N
   - In the past, _____ _____ have caused climate change.
3. Subject + cause + N + to do smth
   - At times in the past, massive volcanic activity has caused enormous amounts of greenhouse gases to be released into the atmosphere.

     Subject: _____

     N: _____

     to do smth: _____
   - These aerosols reflect solar radiation and cause the planet to cool.

     Subject: _____

     N: _____

     to do smth: _____
   - There is evidence that these changes in solar activity cause Earth to become warmer or cooler.

     Subject: _____

     N: _____

     to do smth: _____
4. The main driver behind + N is...
   - In modern times, the main driver behind climate change on our planet is _____-_____ _____.
5. is the consequence of...
   - Today, climate change is mainly the consequence of anthropogenic production of _____ _____.
6. resulting in...
   - Volcanoes release clouds of dust and ash that block the sun, resulting in a _____ _____ _____.
7. has led to / leads to
   - At times in the past, massive volcanic activity has caused enormous amounts of greenhouse gases to be released into the atmosphere. This has led to periods of _____ _____ .

8. prevent + N + from + doing smth

- In this process, greenhouse gases in the atmosphere absorb the sun's energy, preventing heat from escaping back into space.

  N: _____

  doing smth_____

9. as a result,

- In this process, greenhouse gases in the atmosphere absorb the sun's energy, preventing heat from escaping back into space. As a result, _____ _____ _____ .

10. Due to

- Scientific models of Earth's temperatures show that due to _____ _____ _____, Earth is warming up three times faster now than in 1950.

11. As S1 + V1, S2 + V2

- As atmospheric levels of CO_2 have increased, average global temperatures have also risen, most significantly in recent years."

  S1: _____

  V1: _____

  S2: _____

  V2: _____

12. When S1 + V1, S2 + V2

- When carbon burns, it changes from a liquid to a gas, which is then released into the atmosphere.

  S1: _____

  V1: _____

  S2: _____

  V2: _____

- When plants are burnt or cut down and left to decay, they release CO2 back into the atmosphere.

  S1: _____

  V1: _____

  S2: _____

  V2: _____