

I. 次の英文を読んで以下の設問に答えなさい。

Climate change is not a new phenomenon. Change has been a consistent feature of global climate. For the past 10,000 years, however, the earth has experienced the longest period of consistently warm temperatures since the beginning of life. This warm period almost exactly matches the period over which modern agriculture has evolved. The reason that current predictions of climate change are compelling is that, for the first time, climate may be changing as a direct result of (A) activity. (a)People have released chlorofluorocarbons into the atmosphere – leading to the degradation of stratospheric ozone and increasing biologically harmful ultraviolet-B radiation. Through mining and combustion of (b)fossil fuels, deforestation, maintenance of livestock herds, and even through rice cultivation, enormous quantities of (c)greenhouse gases have been released to the atmosphere. Global circulation models predict that these greenhouse gases will increase global average temperatures by 1–8°C over the next century.

(出典: Peng, S. et al., ed.: *Climate Change and Rice*, Springer, 1995.)

注) chlorofluorocarbon: クロロフルオロカーボン、stratospheric: 成層圏の、
deforestation: 森林伐採、livestock herd: 家畜の群れ

問1. 文中の(A)に最もふさわしい英単語を入れなさい。(3点)

問2. 下線部(a)を和訳しなさい。(5点)

問3. 下線部(b)の代表的な2つを英語で書きなさい。(4点)

問4. 下線部(c)の代表的な2つを英語で書きなさい。(4点)

問5. 下線部(c)の発生・増加要因として4項目挙げられていますが、そのうち B (mining and combustion of fossil fuels) と C (deforestation) とでは内容的に異なります。その特徴的な相違点について簡潔に説明しなさい。なお、それらの項目の記述に B と C を使うことができます。(4点)