

問Ⅰ

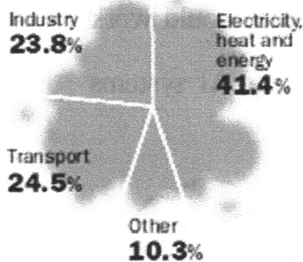
1) グラフを解析し、その内容や主張をまとめなさい。また、2) それに対する自分の意見や取り組みについても述べなさい。

1)、2) は いずれも「文章」として記述すること（※ 日本語で可）。

# HOW WE GOT HERE

Carbon emissions have plummeted during the pandemic because of drops in traffic, power usage and industrial production. Historically, however, brief dips have had little lasting effect on climate change

Where fossil-fuel CO<sub>2</sub> comes from



**1918 FLU**  
-15%  
1917-19  
The influenza pandemic hit certain sectors, like transportation and coal mining, particularly hard

**GREAT DEPRESSION**  
-26%  
1929-32  
In the three years following the stock-market crash, industrial production in the U.S. fell by half

**POST-WW II**  
-17%  
1943-45  
Wartime spending dried up as nations pivoted to peacetime economics; factories making bombs shifted to cars and toasters

**USSR COLLAPSE**  
-3%  
1991-92  
Fossil-fuel production collapsed in the Soviet Union following its dissolution in 1991

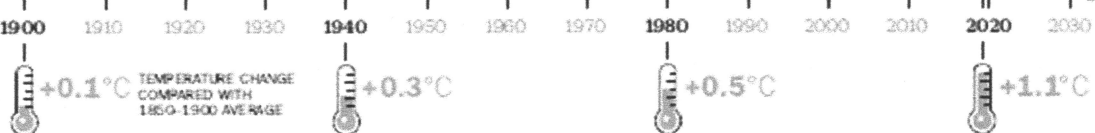
**GREAT RECESSION**  
-1%  
2008-09  
The financial crisis resulted in huge CO<sub>2</sub> drops among developed countries, offset by an increase from China

**COVID-19**  
-7%  
2019-20  
The pandemic might cause emissions to drop to levels last seen a decade ago; still, those levels are 11 times higher than in 1900

**WHAT WE NEED TO DO**  
-50%  
2020-30  
To keep global temperatures from rising 1.5°C above preindustrial levels, the world must cut emissions in half by 2030; to do so, countries must move to cleaner energy or else emissions will spike again when life returns to normal after the coronavirus

Billion metric tons of CO<sub>2</sub> per year  
Global  
U.S.

**U.S. SHARE**  
Emissions are trending down, but not enough to reach international climate goals



(Illustration: HOW WE GOT HERE? (from TIME, Jul 20, 2020). Reproduced with permission from Alex Fine.)

## 問Ⅱ

以下の文章を参考にして、「未来においてあなたが医療の世界に期待する、臨床工学的な自分の“夢物語”」をひとつ、1)タイトルと内容を記述し(※ いずれも日本語で可)、2)それを表現するイラストを加えて紹介して下さい。

### Accessorize for Health

A growing wardrobe of health sensors – from pulse-monitoring earrings to skin-sensing tattoos – will monitor our vital functions around the clock. In the future, they could work with communicating apps that store our genetic profiles, helping doctors and AI systems detect irregularities, predict disease risks and customize medicines.



(Future Facts: Accessorize for Health by Don Steinberg  
from TIME, Feb 3, 2020. Reproduced with permission of the author.)