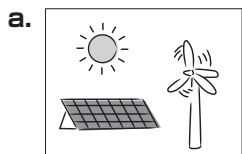
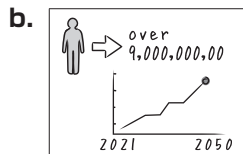


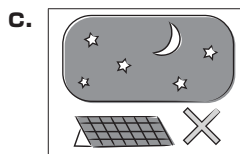
Guess & Check



- ① green energy
- ② solar, wind power



- ① 2050, population
- ② nine billion



- ① not stable
- ② time, weather



- ① "modern" life
- ② shortage, energy

Before ( ) → ( ) → ( ) → ( )

After ( ) → ( ) → ( ) → ( )

Content

Emma is an exchange student from Australia. // Today, / she's going to tell us / about an interesting space project / in a JAXA program. //

Today / experts are worried / about a future energy crisis. // In 2050, / the world's increasing population / will reach over nine billion. //  ① check If everyone tries to live a "modern" life, / the world will face a big problem then / — a severe shortage of energy. //

② check

In order to support our lives, / we can use green energy, / such as solar and wind power. // However, / there is a big problem / with this kind of energy. // Its sources are not stable: / sometimes they can't produce / enough power. // They depend / on the time of day / and the weather. //

## Words & Expressions

- |                                  |       |                        |       |
|----------------------------------|-------|------------------------|-------|
| 1. crisis [kráisis] 名            | ..... | 7. solar [sóulər] 形    | ..... |
| 2. population [pə(ː)pjələiʃən] 名 | ..... | 8. source [só:rs] 名    | ..... |
| 3. billion [bíljən] 名            | ..... | 9. stable [stéibl] 形   | ..... |
| 4. modern [má(ː)dərn] 形          | ..... | 10. be worried about ~ | ..... |
| 5. severe [siviə̀r] 形            | ..... | 11. depend on ~        | ..... |
| 6. shortage [ʃó:rtidʒ] 名         | ..... |                        |       |

## Key Sentences

check



① If everyone tries to live a “modern” life, the world will face a big problem then — a severe shortage of energy.

- ▶ ifは副詞節を導く接続詞。条件を表す副詞節では未来のことも現在形で表す。faceは動詞で「〈〜に〉直面する」の意味。
- ▶ a severe shortage of energyは直前のa big problemを具体的に表していて、—（ダッシュ）のあとは直前の語句を具体化するように訳す。

訳

② In order to support our lives, we can use green energy, such as solar and wind power.

- ▶ in order to doは「〜するために」の意味。~, such as ...は「...のような〜」という意味。

訳

## Comprehension

Speech about a (①) project in a JAXA program  
by Emma (exchange student from Australia)

a future energy crisis



(②) are worried  
in 2050, the world's increasing (③) over nine billion  
if everyone tries to live a “modern” life → the world will face a big (④)  
||  
severe (⑤) of energy

(⑥) energy (e.g. solar and wind power) — to support our lives

big problem

- (⑦) are not stable
- can't produce enough (⑧)
- depend on the time of day and the (⑨)

Choose

experts / green / population / power  
problem / shortage / sources / space / weather

**1** Look at ① to ⑥ below. Will space development have a positive or negative effect on them? Put each number into the boxes below.

- |                    |                |
|--------------------|----------------|
| ① weather forecast | ② space debris |
| ③ solar power      | ④ human life   |
| ⑤ GPS              | ⑥ money        |

Positive (+)	Negative (-)

### Points of the task

- Which box do you put each number in?
- What positive/negative effects do you think space development will have on each number?
- Do you agree to space development?

それぞれの項目をPositiveとNegativeに分類しましょう。また、どうやって分類したのかを説明できるように理由も考えましょう。



### Memo

**2** Share your opinions about **1** with your group members. As your group's choices, write each number and the opinion in the boxes below.

Positive (+)	Negative (-)

### Points of the group work

- Explain your opinions with the reasons.
- Who do you agree/disagree with?
- Why do you agree/disagree with the member?

自分の意見を、理由や例を挙げて具体的に述べましょう。また、みんなの意見を聞いて、グループとしての結論を出しましょう。



### 3 Give a speech on 2 to the class.

#### Writing Guide

序論	全体の趣旨を紹介する	talk about the weather forecast
本論	段落のトピックを紹介する	put the weather forecast into Positive box
	段落のトピックについて説明する	the weather forecast will be better
	段落をまとめ、次へつなぐ	positive effect on the weather forecast
結論	全体のまとめを行う	space development is good for the weather forecast

I am going to talk about the weather forecast. I'm explaining why we put the weather forecast positive box.

Space development will give positive effect on it, I think. It is said that the hitting rate of the weather forecast is about 70 to 80%. If space development is advanced, the weather forecast will be more accurate. So, I think space development has positive effect on the weather forecast.

In conclusion, we talked about the weather forecast and we think space development is good for the weather forecast.

序論	全体の趣旨を紹介する	
本論	段落のトピックを紹介する	
	段落のトピックについて説明する	
	段落をまとめ、次へつなぐ	
結論	全体のまとめを行う	

#### Your draft:

.....

.....

.....

.....

#### Points of giving a speech

- Make a note after writing a script.
- Pick up some important words, phrases, or sentences.
- Make the note easy to understand.

まずは、スピーチの原稿を書きましょう。それをもとに、スピーチの要点や忘れやすい単語・フレーズ・文をまとめたメモを作ってスピーチに活かしましょう。



Name	Topic	Positive/Negative	Reason(s)