

UNIT 5 THE POWER OF NATURE

PREVIEW THE VOCABULARY

diagram 图表；图解；示意图

volcano 火山 **volcanic** 火山的

volcanology 火山学 **volcanologist** 火山学

erupt v. (指火山) 爆发；突然发生 **eruption** n.

crater 火山口；弹坑

lava 熔岩；火山岩

hurricane 飓风；风暴

questionnaire 问卷；调查表

alongside 在旁边；沿着边；在...旁边；沿...的边

equipment 设备；装备

be appointed as 被指定/委任为...

observatory 气象台；天文台；气象台

database 数据库；资料库

Mount Kilauea 基拉韦厄火山

evaluate 评估；评价；

burn to the ground 全部焚毁

molten 熔化的；熔融的

fountain 喷泉；泉水般地喷出

absolute 绝对的 **absolutely** 绝对地

suit 套装；适合

helmet 头盔

boot 靴子

make one's way to 前往 ...

potential 潜能；潜力；潜在的

develop one's potential to the fullest 充分挖潜

actual 实在的；实际的 **actually** 实际上



UNIT 5 THE POWER OF NATURE

What do you want to be in the future and
why?



Please share your ideas with us!

Teaching ---- A(n) Exciting Job

Having graduated from Zhejiang Education College, I was _____**ed**_____ as an English teacher in Tiantai High School. Sometimes preparing lessons, sometimes correcting students' homework, and sometimes _____**ing**_____ students' performance in school, I am never bored. Although my job is _____**ly**_____ time-consuming, I don't mind because teaching _____**s**_____ me and makes me _____. Most importantly, I inspire every student to develop their _____ to the fullest. Today I am still as _____ my job as the day I first started. _____**ly**_____, teaching is part of my life.

evaluate potential appoint occasional Actual excite
enthusiastic about feel alive

The background of the slide is a photograph of a volcanic eruption at night. A bright, glowing orange and yellow lava flow is visible in the lower left corner. In the upper center, a bright light source, possibly the moon or a distant star, is visible against a dark, reddish-orange sky. On the right side, a person is standing, looking towards the lava flow. They are wearing a dark jacket and holding a long, thin object, possibly a telescope or a measuring instrument, which is mounted on a tripod. The overall scene is dramatic and captures the power of nature.

work as a volcanologist

A **volcanologist** is a scientist who studies the activities of **volcanoes** and is an expert **in** the subject of **volcanology**.



active volcano
(活火山)

dormant volcano
(休眠火山)

extinct volcano
(死火山)



volcanologist
collect and evaluate
information about
volcanoes.

An Exciting Job



work as a volcanologist



① I have **the greatest job** in the world. I travel to unusual places and work alongside people from all over the world. Sometimes working outdoors, sometimes in an office, sometimes using scientific equipment and sometimes meeting local people and tourists, I am never bored. Although **my job** is occasionally dangerous, I don't mind because danger excites me and makes me feel alive. **However, the most important thing about my job is that I help protect ordinary people from one of the most powerful forces on earth - the volcano.**

② I was appointed as a volcanologist working for the Hawaiian Volcano Observatory (HVO) twenty years ago. **My job is collecting information for a database** about Mount Kilauea, which is one of the most active volcanoes in Hawaii. **Having collected and evaluated the information, I help other scientists to predict** where lava from the volcano will flow next and how fast. **Our work has saved many lives because people** in the path of the lava can be warned to leave their houses. Un **Para. 1-2 Description of the job** the way, and many houses have been covered with lava or burned to the ground.

③ When boiling rock erupts from a volcano and crashes back to earth, it causes less damage than you might imagine. This is because no one lives near the top of Mount Kilauea, where the rocks fall. The lava that flows from the top of the mountain causes far more damage than the rocks. It flows down its path under the molten rock. However, the eruption itself is really exciting to watch and I shall never forget my first sight of one. It was in the second week after I arrived in Hawaii. Having worked hard all day, I went to bed early. I was fast asleep when suddenly my bed began shaking and I heard a strange sound, like a railway train passing my window. Having experienced quite a few earthquakes in Hawaii already, I didn't take much notice. I was about to go back to sleep when suddenly my bedroom became as bright as day. I ran out of the house into the back garden where I could see Mount Kilauea in the distance. There had been an eruption from the side of the mountain and red hot lava was fountaining hundreds of metres into the air. It was an absolutely fantastic sight.

④ The day after this eruption I was lucky enough to have a much closer look at it. Two other scientists and I were driven up the mountain and dropped as close as possible to the crater that had been formed during the eruption. Having earlier collected special clothes from **Para. 4 The first experience** we went any closer. All three of us looked like spacemen. We had white protective suits that covered our whole body, helmets, big boots and special gloves. It was **Para. 3-4 The first experience** slowly made our way to the edge of the crater and looked down into the red, boiling centre. The other two climbed down into the crater to collect some lava for later study, but this being **my first experience**, I stayed at the top and watched them.

⑤ Today, I am just as enthusiastic about **my job** as the day I first started. Having studied volcanoes now for many years, I am still amazed at their beauty as well as their potential to cause great damage.

Para. 5 Reasons for enthusiasm

An Exciting Job

Para. 1-2 Description of the job

Part 1

Para. 3-4 The first experience

Part 2

Para. 5 Reasons for **enthusiasm**

Part 3

Part 1 Description of the job

Why does the author think his job is the greatest?

Sometimes preparing lessons, **sometimes** correcting students' homework, and **sometimes** evaluating students' performance in school, **I am never bored.**

- ...the **greatest** job...
- travel to **unusual** places
 - work alongside people from **all over the world**
 - am never bored. **parallelism**
(sometimes...sometimes...sometimes and sometimes)
 - occasionally **dangerous**, but danger

For one thing, he meets and works with people **globally** (global).

For another, what he does helps to protect ordinary people from suffering great damage of volcano eruption.

Part 1 Description of the job



What is the author's daily work?

(Underline the key verbs)



Mount Kilauea, the world's most **active** volcano, is on the island of **Hawaii**. It has produced lava more than fifty times in the last one hundred years. It was the volcano

The writing method of the job description is from general to detail.



years the lava destroyed one small town on the island. Experts say Mount Kilauea is a serious threat to the property on many parts of the island.




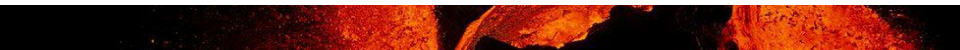
Boiling rock erupts from the crater of a volcano and crashes back to earth.



Volcanic eruption causes less damage because **no one lives** near the top of Mount Kilauea.



The lava flows slowly like a wave down the mountain and buries everything in its path under the molten rock.



The flowing lava causes far more damage because it **buries everything** in its path under the molten rock.



Volcanic eruption will cause
great damage.

contrast

However, the eruption itself
is really exciting to watch.



The eruption excited him.

The volcano eruption was fantastic because of the detailed description of sense, including sound, sight.

The order of activities

put on
special
protective
suits



made
their way
to the
edge



looked
down
into the
center

i The writing method of the author's first experience (Part 2) is **from far to near**.

stayed at the top
and watched

climbed down to
collect some lava

This being my first experience, I stayed at the top and watched them. 独立主格结构

Part 3 Reasons for enthusiasm

Why is the author still enthusiastic about his job?

He is amazed/impressed by the beauty of eruption as well as its potential to cause great destruction. He can evaluate the collected information to predict the potential volcanic eruption to warn and save people.

The job still excites him.

Q: What is the relationship between the first and last paragraph?

support the beginning with the ending (首尾呼应 echo each other)

Why does the author use “exciting” to describe his job as a volcanologist?

An Exciting Job

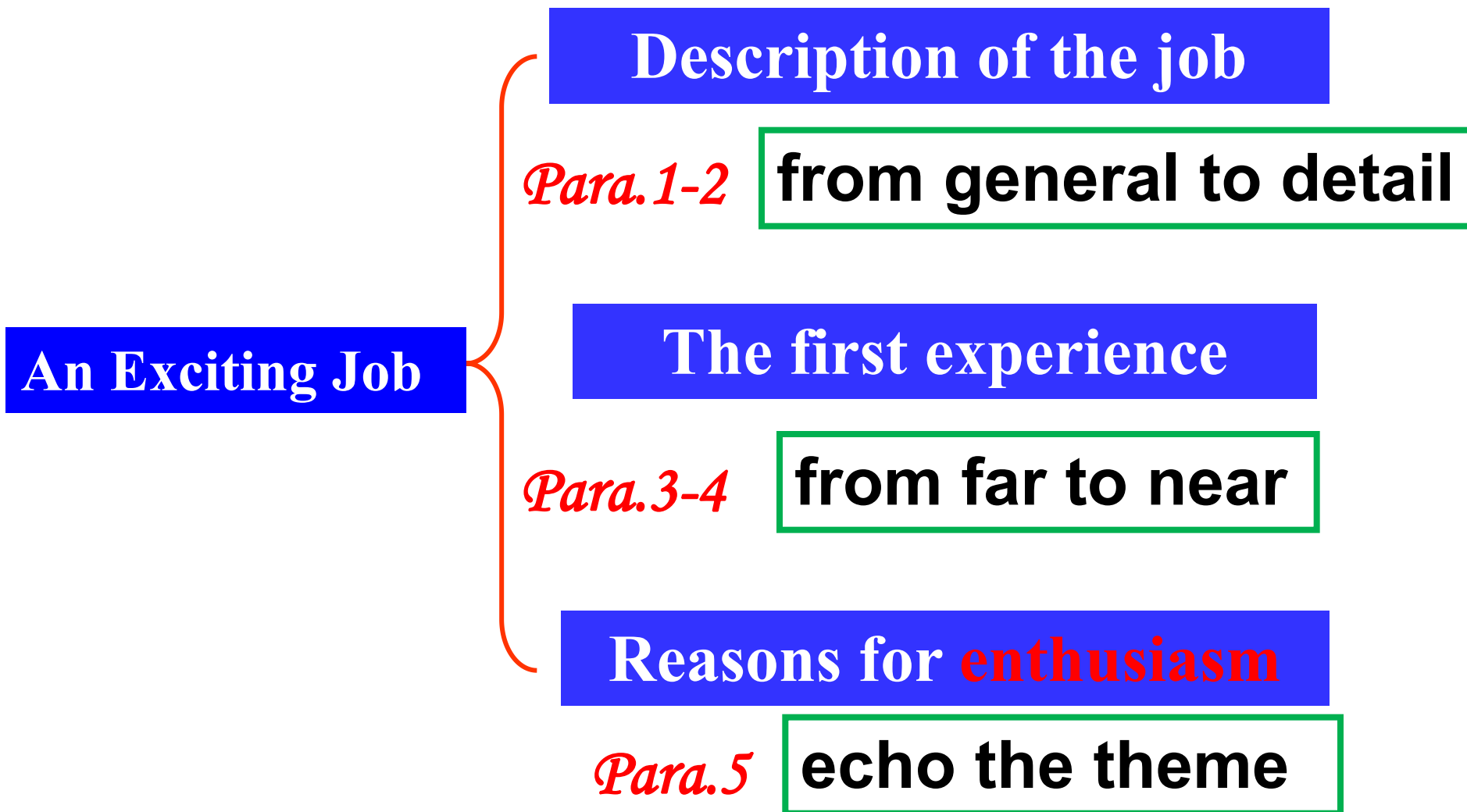
He can **witness/see the fantastic sight of volcanic eruption**. (The fantastic sight of volcanic eruption **excites** him.)

The occasional danger of his job **excites** him and **makes him feel alive**.

He can **help protect ordinary people from the harm of volcanoes**. (The importance of his work **excites** him.)



The writing method





*Enjoy our jobs,
enjoy our life.*



Further understanding

Do you think whether the author is a qualified volcanologist or not? (answer with evidence from the text)

adventurous (Although my job is occasionally dangerous, I don't mind because danger excites me.);

sympathetic (However, the most important thing about my job is that I help protect ordinary people from one of the most powerful forces on earth--the volcano);

professional (collect and evaluate information; quick-reacted after the eruption and proper dressed in the research on the spot; have studied for many years);

cooperative (This being my first experience, I stayed at the top and watched them);

enthusiastic (Today, I am just as enthusiastic about my job as the day I first started).