



第九十期

Pangaea, the Supercontinent

盤古大陸，超級大陸

Currently the world is made up of seven land masses, or continents. Their locations are not fixed, though. Rather, they are constantly shifting due the movements of tectonic plates.

現今世界由七塊陸塊或陸地組成。不過他們的位置並不固定。相反地，它們由於地殼板塊運動而不斷變化。

Sometimes all of the continents in the world come together to form a 'supercontinent', and then later they separate again. This seems to happen in cycles, and **geologists** believe that there have been four supercontinents in the last two billion years. The most recent supercontinent, Pangaea, existed from about 335 to 175 million years ago, coinciding with the early age of the dinosaurs. It was formed when two large continents, Gondwana (consisting of today's Antarctica, South America, India, Africa, and Australia) and Laurasia (modern Asia, Europe, and North America) **collided**.



有時世界各地的大陸聚集在一起形成「超大陸」，然後再次分開。這似乎是循環發生的，地質學家認為，在過去兩億年，有四個超級大陸。最近期的超級大陸：盤古大陸，存在於大約3億3500萬至1億7500萬年前，恰逢恐龍時期的早期。當兩個大陸：岡瓦那大陸（包括今天的南極洲、南美洲、印度、非洲和澳洲）和勞亞大陸（現代的亞洲、歐洲和北美洲）相碰時，形成了這個大陸。

In contrast to today's Earth, most of it was located in the southern **hemisphere**. It was surrounded by one superocean called Panthalassa. The interior may have been very dry and desert-like, while areas closer to the **equator** would have been **lush** and tropical. Besides dinosaurs, insects and the ancestors of modern mammals also lived in Pangaea. Most of these animals **thrived** well after a great mass extinction event that occurred 252 million years ago, killing off over three quarters of all life on Earth.



與今天的地球相反，大部分陸地位於地球南半球。它被一個叫做泛大洋的超級海洋包圍。內地可能是非常乾燥和沙漠般的，而靠近赤道的地區將是草木茂盛和熱帶的。除了恐龍、昆蟲和現代哺乳動物的祖先也住在盤古大陸。

這些動物大多在2億5200萬年前發生造成地球上四分之三以上的生命死亡的大規模滅絕事件後茁壯成長。

And what evidence do we have to support the existence of Pangaea? Well, anybody can look at a world map and notice how well the world's present-day continents seem to fit if you were to push them together. But more scientifically, both the geological and plant/animal **fossil** records indicate **unmistakable** similarities between lands that were once beside each other.

我們有什麼證據來支持盤古大陸的存在？好吧，任何人都可以看世界地圖並注意到，如果你把世界上現今的大陸組合在一起似乎很剛好。但更科學地，地質和植物/動物化石記錄表明，曾經相鄰的土地之間有明顯的相似之處。

Vocabulary 好字精選

1. geologist (n) a rock/Earth expert 地質學家

Tina loves learning about rocks so she wants to become a geologist.

Tina 喜歡學習岩石，所以她想成為一名地質學家。

2. collide (v) smash/come together unintentionally 碰撞

The two cars collided but nobody was hurt.

兩輛車相撞，但沒有人受傷。

3. hemisphere (n) the northern, southern, eastern, or western half of the Earth 半球

The Dominican Republic is the poorest country in the western hemisphere.

多明尼加共和國是西半球最貧窮的國家。

4. equator (n) the imaginary line that goes around the center of the Earth 赤道

Countries near the equator usually have hot, tropical climates.

赤道附近的國家通常有炎熱的熱帶氣候。

5. lush (adj) very green with plant life 草木茂盛

The palace garden was lush and full of plants.

宮殿的花園草木茂盛，到處都是植物。

6. thrive (v) to grow, live, or develop well 茁壯成長

Bamboo thrives in the Central Mountain Range of Taiwan.

竹子在台灣中央山脈茁壯成長。

7. fossil (n) bones or plant remains that have to changed to stone over time 化石

Many dinosaur fossils have been found in this desert.

在這個沙漠中發現了許多恐龍化石。

8. unmistakable (adj) impossible to deny or mistake for another thing 明確的

The students could hear the unmistakable sound of their teacher walking towards the classroom in the hallway.

學生們可以聽到明確的聲音，老師正在走廊朝教室走來。

Phrases and Sentence Patterns句型解析

1. coincide with (phr) happen at the same time 與…相符

This year my birthday coincides with the Lunar New Year.

今年我的生日與農曆新年一致。

2. in contrast to (phr) in the opposite/very different way 與…相反，相比之下

In contrast to most of his friends, Jeff doesn't like basketball.

與大多數朋友相反，Jeff 不喜歡籃球。



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第九十期

Want to Travel for Free?

想要免費旅行嗎？

If you love to travel but can't afford it, why not become a digital nomad? This expression refers to a new **generation** of backpackers who travel around with their laptops and make money on the road to **fund** their travels. One popular way to do this is travel blogging.

如果你喜歡旅行但無法負擔旅費，為什麼不成為一位數位遊民？這是一種新時代的背包客，用他們的筆電沿路賺錢來為他們的旅程籌款。其中一種著名的方式就是寫旅遊部落文。



It takes lots of work and time to develop a good **reputation** as a travel blogger, but once you get there, you will seldom have to pay for hotels or flights. Some have even become **millionaires** while traveling. So how do travel bloggers make money? Here are just a few of the many ways:

身為一位旅遊部落客需要花費很多功夫及時間來培養良好的信譽。但只要你達到目標，你將幾乎不需要付旅館費用及機票。有些人甚至會在旅行期間成為百萬富翁。所以旅遊部落客要怎麼賺錢呢？這裡有幾種方式：

- Writing hotel, restaurant, or product reviews. Many companies will pay bloggers or give them free rooms, meals, or **merchandise in exchange for** these positive reviews.

撰寫旅館、餐廳或是產品的評論文。許多公司會付錢給部落客或是提供免費住宿、餐點或是產品來交換正面評論。

- Selling space on their websites for advertisements. If travel bloggers' websites get enough **traffic**, they can make money through programs such as Google Ads. 在他們的網頁上提供廣告刊登。如果旅遊部落客的網頁流量夠大，他們可以藉由程式，像是 Google 廣告來賺錢。



- Affiliate marketing. If a travel blogger recommends something and then the reader buys it using a special link, the blogger can make a **commission**. 聯盟行銷。如果一位旅遊部落客推薦一些東西，接著讀者藉由特殊連結購買的話，這位部落客可以抽成。
- Writing e-books or creating other travel-related products. This could include

photography, podcasts, travel games for kids, and so on!

撰寫電子書或是創造其他旅遊相關產品。此項可以包含攝影、播客、兒童旅遊遊戲之類等等！

Vocabulary 好字精選

1. generation (n) a group of people of similar age in society 世代，一代

“The young generation doesn’t work as hard as we used to!” complained the old man.

「年輕世代不像我們以前那麼努力工作！」這位老人如此抱怨。

2. fund (v) to provide money for a project, activity, or event 提供〔事業，活動等的〕資金

The baseball series was funded by Adidas.

這次棒球連賽是由 Adidas 所贊助的。

3. reputation (n) what everybody thinks of a person, company, organization, etc. 名聲，聲譽

This fine restaurant has a good reputation among the city’s rich.

這間高級餐廳在都會富人之間的名聲很佳。

4. millionaire (n) a person who has a million or more dollars 百萬富翁

Tickets for the VIP party were over \$1000 and it was mostly millionaires who attended.

會員專屬派對的門票要一千美元以上，幾乎只有百萬富翁會參加。

5. merchandise (n) products 商品，貨物

All the extra merchandise is stored in the back room.

所有的額外商品都被儲放在後面的房間。

6. traffic (n) the volume of visitors on a website (NOT CAR TRAFFIC) 網路流量

Traffic to this website increased dramatically after one of its articles went viral.

這個網站的網路流量在其中一篇文章爆紅後，立刻戲劇性地飆高。

7. commission (n) a % of money that a salesperson makes after selling something 佣金

The car salespeople in this shop make a 5% commission on each car they sell.

這間店的汽車銷售員每賣出一輛車都可以得到百分之五的佣金。

Phrases and Sentence Patterns 句型解析

1. afford sth. (phr) have enough money to buy something 負擔

Nicole can’t afford a new cellphone.

Nicole 無法負擔一台新的手機。

2. on the road (idiom) traveling 旅程中，旅途中

Nathanial wrote a book while he was on the road.

Nathanial 在旅行時寫了一本書。

3. in exchange for (phr) to trade something 交換

I'll give you these boots in exchange for your jacket.

我用這些靴子交換你的外套。



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