



Passage 49



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El Niño

A

Fishermen who ply the waters of the Pacific off the coast of Peru and Ecuador have known for centuries about the El Nio. Every three to seven years during the months of December and January, fish in the coastal waters of these countries virtually vanish, causing the fishing business to come to a standstill. South American fishermen have given this phenomenon the name El Nio, which is Spanish for “the Boy Child,” because it comes about the time of the celebration of the birth of the Christ Child. During an El Nio, the physical relationships between wind, ocean currents,

解析

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解析

答题

Question 1

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Why do people call this natural phenomenon El Nino?

- ☐ A Fishermen use this name to celebrate the birth of their children.
- ☐ B It is the name of a Spanish.
- ☒ C It happens around the time of Christmas.
- ☐ D It has negative impacts on weather.



解析

答题

Question 1

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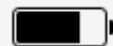
解析

Keywords: call, give this phenomenon the name;
why, because; call

原文： 对应正文A段 South American fishermen have given this phenomenon the name El Nino, which is Spanish for “the Boy Child,” because it comes about the time of the celebration of the birth of the Christ Child.

翻译： 南美洲的渔民们给这个现象起名为“厄尔尼诺”，这是西班牙语里“圣婴”的意思，因为每次发生该现象的时候都临近圣婴降临的日子。

解析： Why do people call this natural phenomenon El Nino? 为什么人们将这个自然现象称为厄尔尼诺? A Fishermen use this name to celebrate the birth of their



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this name to celebrate the birth of their children. 渔夫们用这个名字来庆祝他们孩子的降生。 B It is the name of a Spanish. 这是一个西班牙人的名字。 C It happens around the time of Christmas. 它发生在耶诞日。 D It has negative impacts on weather. 它对天气有消极影响。

Question 2

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According to paragraph B, surface waters in the eastern Pacific along the equator

- ☒ A are lower than those in the west.
- ☐ B are higher than those in the

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Question 2

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west.

- ☐ C have the same temperature as those in the west.
- ☐ D create a temperature gradient.

解析

Keywords: surface waters in the eastern Pacific

原文：对应正文B段 Meanwhile, the deeper, colder waters in the eastern Pacific are allowed to rise to the surface, creating an east-west temperature gradient along the equator known as the thermocline tilt.

翻译：同时，东部深海中的低温海水就可以上升

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翻译：同时，东部深海中的低温海水就可以上升到表面，这造就了赤道附近的東西向温度阶梯，或者叫温跃层坡度。

解析：According to paragraph B, surface waters in the eastern Pacific along the equator 根据B段内容，赤道附近东太平洋的表层海水相较之下 A are lower than those in the west. 比西部温度低。 B are higher than those in the west. 比西部温度高。 C have the same temperature as those in the west. 和西部的温度一样。 D create a temperature gradient. 造成了温度梯度。

Question 3

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What is the writer doing in paragraph B, C, and D?

解析

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Question 3

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- ☐ A Explain how the thermocline tilt is created.
- ☐ B Propose a hypothesis about El Nino.
- ☐ C Describe the features of trade winds.
- ☒ D Illustrate the process of how El Nino forms.

解析

Keywords: paragraph B,C, and D

解析

答题

Question 3

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原文： 对应正文D段 As a result, the large central and eastern Pacific regions warm up(over a period of about 6 months) into an El Nino.

翻译： 于是，太平洋中部和东部的地区继续升温（整个时长超过6个月），形成了厄尔尼诺现象。

解析： What is the writer doing in paragraph B,C, and D? 作者在B、C、D段想要讲些什么？
A Explain how the thermocline tilt is created. 解释温跃层坡度是如何形成的。 B Propose a hypothesis about El Nino. 对厄尔尼诺现象提出一个假设。 C Describe the features of trade winds. 描述了信风的一些特征。 D Illustrate the process of how El Nino forms. 描述了厄尔尼诺现象如何形成的过程。

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Question 3

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Question 4

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How does El Nino affect coral reefs?

- ☐ A They are ruined by warm water.
- ☐ B They are destroyed due to rising sea level.
- ☒ C They are exposed to the air due to declining sea level.
- ☐ D They surround many islands.

解析

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Question 4

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解析

Keywords: decline=drop; coral reefs

原文： 对应正文E段 During the 1982-83 El Nino, this drop in sea level exposed and destroyed upper layers of coral reefs surrounding many western Pacific islands.

翻译： 在1982到1983年的厄尔尼诺现象中，这种海平面的下降，让在西太平洋中的很多小岛附近环绕的珊瑚礁暴露出来，并损坏了它们的上层部分。

解析： How does El Nino affect coral reefs? 厄尔尼诺现象是如何影响到珊瑚礁的？ A They are ruined by warm water. 它们被温暖的海水给毁掉了。 B They are destroyed due to rising sea level. 它们因为海平面上升而被毁。 C They are exposed to the air due to

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毀。 C They are exposed to the air due to declining sea level. 由于海平面降低所以暴露在空气中 D They surround many islands. 它们环绕着很多岛屿。

Question 5

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Which of the following describes the marine food chain from bottom to top sequence?

- ☐ A Phytoplankton, nutrients, fsh, sea birds
- ☒ B Nutrients, phytoplankton, fsh, sea birds

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Question 5

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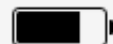
- ☐ C Fish, phytoplankton, nutrients, sea birds
- ☐ D Sea birds, fish, nutrients, phytoplankton

解析

Keywords: marine food chain

原文：对应正文F段 Phytoplankton living near the surface depend upon these nutrients for survival. In turns, fish and mammals depend upon phytoplankton as the very foundation of the marine food chain.

翻译：在表面层附近生活的浮游植物们需要依靠这些营养来生存。相应的，作为海洋食物



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翻译： 在表面层附近生活的浮游植物们需要依靠这些营养来生存。相应的，作为海洋食物链的基础，浮游植物又是鱼和海洋生物的食物。

解析： Which of the following describes the marine food chain from bottom to top sequence?
下列哪项，从底部到顶部，描述了海洋生物食物链？ A Phytoplankton, nutrients, fish, sea birds 浮游生物、营养物质、鱼、海鸟 B Nutrients, phytoplankton, fish, sea birds 营养物质、浮游生物、鱼、海鸟 C Fish, Phytoplankton, nutrients, sea birds 鱼、浮游生物、营养物质、海鸟 D Sea birds, fish, nutrients, phytoplankton 海鸟、鱼、营养物质、浮游生物

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Question 5

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Questions 6–9

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Choose FOUR letters, A–H.

What are the impacts of El Niño mentioned by the passage?

A Change of landscape

B Many hurricanes

C Preventing La Nixa

D Short of food source for mammals

E Causing world fnancial crisis

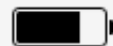
F Epidemic disease among people

G Global weather abnormality

H Long winter

A ADFG

B ACFG



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☐ B ACFG

☐ C EFGH

☐ D BCDE

解析

Keywords: 这道题问题较大，每个选项逐个辨析。A选项中的landscape除了有风景的意思以外，还有地形地貌的意思。I段第5行提到的，厄尔尼诺现象造成的洪水、山体滑坡势必会让地貌发生改变。B选项中所提及的飓风出现在J段，但J段第一句虽然说太平洋地区的飓风增多，然而大西洋地区的飓风率却是降低，并不是全球所有地区发生

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却是降低，并不是全球所有地区发生率都提高。C选项中说能够阻止拉尼娜现象，请看到文章K段，文章说厄尔尼诺现象后多伴随有拉尼娜现象，并未言明两者之间的必然联系，属NG选项。D选项出自F段倒数第4行 E选项也较易被误选，有些同学看到I段第二句，认为造成严重的经济损失就等于金融危机【注4】，这是个常识性的误区。请看注4，欲知更详细知识，请自行百度。F选项出自H段最后一句话 G选项出自I段第3行 H选项说冬日变长，全文只在K段提到过拉尼娜现象会让本来温和的冬日变得苦寒，但时长并未涉及到。

原文： 对应正文F段+H段最后一句话+I段自3行往后
As previously explained, the warm
surface waters of an El Nino prevent this

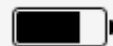
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后 As previously explained, the warm surface waters of an El Nino prevent this upwelling, effectively starving the phytoplankton population there and those animals higher up food chain that depend upon it. Shrimp harvests were also very high in some of the coastal flood regions, but so too was the incidence of malaria cases due to thriving mosquito populations. As warm water migrates eastward, increased heat and moisture rises into the atmosphere, altering the weather patterns in neighboring regions, which in turn can ripple out to affect still other region weather patterns around the globe. For instance, a severe El Nino will enhance the jet stream over the western Pacific and shift it eastward, leading to



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Pacific and shift it eastward, leading to stronger winter storms over California and the southern United States, with accompanying floods and landslides.

翻译：就像先前解释过的，厄尔尼诺现象导致的温暖表层海水阻止了深海洋流的上涌，这足以饿死生活在这里的浮游生物，和以它们为食的那些动物。这类地区的捕虾业也非常的高产，但因为营养丰富，大量蚊虫滋生，导致了疟疾的高发率。由于暖流东移，大气中的热度和湿度增加，改变了周围地区的气候模式，这继而又会影响全球其它地区的气候模式。比如说，一次严重的厄尔尼诺现象会让西太平洋上的急流上升转向东部，导致了加利福尼亚和美国南部的严冬风暴，还会引发洪水和山崩。

解析：What are the impacts of El Nino mentioned

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Questions 6–9

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解析： What are the impacts of El Nino mentioned by the passage? 文章中提到的厄尔尼诺现象会造成的影响有？ A Change of landscape 地貌的变化 B Many hurricanes 很多的飓风 C Preventing La Nina 阻止拉尼娜现象的形成 D Short if food source for mammals 哺乳动物的食物短缺 E Causing world financial crisis 造成全球金融危机 F Epidemic disease among people 人群中的传染病 G Global weather abnormality 全球天气异常 H Long winter 冬日变长

Question 10

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What does this passage mainly discuss?

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- ☐ A The relation between El Nixox and La Nixa
- ☐ B How El Nixox emerges and how to predict it
- ☒ C The formation and effects of El Nixox
- ☐ D How to prevent El Nixox

解析

原文： 对应全文 见全文

翻译： 见全文译文

解析

答题

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解析

原文： 对应全文 见全文

翻译： 见全文译文

解析： What does this passage mainly discuss? 这篇文章主要讨论了什么？ A The relation between El Nino and La Nina 厄尔尼诺和拉尼娜现象之间的关系 B How El Nino emerges and how to predict it 厄尔尼诺现象是如何产生的，如何预测它 C The formation and effects of El Nino 厄尔尼诺现象的结构和影响 D How to prevent El Nino 如何预防厄尔尼诺现象 E El Nino and natural disasters 厄尔尼诺和自然灾害