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B3U4

Astronomy: the science of the stars

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New Words and Expressions



重点单词

1. system

n. 系统;体系;制度

2. theory

n. 学说;理论

3. violent

adj. 猛烈的;激烈的;强暴的

4. unlike

prep. 不同;不像

5. harmful

adj. 有害的

6. exist

vi. 存在;生存

7. puzzle

n. 谜;难题 vt. & vi. (使)迷惑;(使)为难

8. pull

n. & vt. 拉(力);拖;牵引力

9. astronomy

n. 天文学

10. religion

n. 宗教;宗教信仰

11. globe

n. 球体;地球仪;地球

12. carbon

n. 碳



重点单词

13. atmosphere

14. fundamental

15. chain

16. multiply

17. oxygen

18. thus

19. gravity

20. gentle

21. climate

22. crash

23. float

24. mass

n. 大气层; 气氛

adj. 基本的; 基础的

n. 链子; 连锁; 锁链

vi. & vt. 乘; 增加

n. 氧

adv. 因此; 于是

n. 万有引力; 重力

adj. 温和的; 文雅的

n. 气候

vi. & vt. 碰撞; 坠落

vi. & vt. (使) 浮动; (使) 漂浮 n. 漂浮物

n. 质量; 团; 块; 大量; <复> 群众



派生单词

- | | | | |
|-----------------------|-----------------------|-------------------------|-----------------|
| 1. <u>astronomy</u> | n. 天文学 | → <u>astronomer</u> | n. 天文学家 |
| 2. <u>system</u> | n. 系统;体系;制度 | → <u>systematic</u> | adj. 成体系的; 系统 |
| 3. <u>religion</u> | n. 宗教;宗教信仰 | → <u>religious</u> | adj. 宗教信仰的 |
| 4. <u>theory</u> | n. 学说;理论 | → <u>theoretical</u> | adj. 理论上的 |
| 5. <u>globe</u> | n. 球体;地球仪;地球 | → <u>global</u> | adj. 全球性的;全世界的 |
| 6. <u>violent</u> | adj. 猛烈的;激烈的;强暴的 | → <u>violence</u> | n. 暴力; 暴行 |
| 7. <u>fundamental</u> | adj. 基本的;基础的 | → <u>fundamentally</u> | adv. 从根本上 |
| 8. <u>harmful</u> | adj. 有害的 | → <u>harm</u> | n. & v. 伤害; 损害 |
| 9. <u>multiply</u> | vi. & vt. 乘;增加 | → <u>multiplication</u> | n. 相乘; 增加 |
| 10. <u>exist</u> | vi. 存在;生存 | → <u>existence</u> | n. 存在; 生活方式 |
| 11. <u>puzzle</u> | n. 难题 vt. & vi. (使)迷惑 | → <u>puzzled</u> | adj. 困惑的; 迷惑不解的 |



重点短语

1. solar system
2. Big Bang
3. in time
4. lay eggs
5. give birth to
6. in one's turn
7. carbon dioxide
8. prevent ... from
9. cheer up
10. now that
11. get the hang of
12. break out
13. watch out for

太阳系

宇宙大爆炸; 创世大爆炸

及时; 终于

下蛋

产生; 分娩

轮到某人; 接着

二氧化碳

阻止; 制止

感到高兴; 感到振奋

既然

熟悉; 掌握; 理解

突发; 爆发

密切注意; 当心; 提防

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词义释义

1. oxygen a gas that is present in air and water and is necessary for people, animals and plants to live.
2. atmosphere the mixture of gases that surrounds the earth
3. globe an object shaped like a ball with a map of the world on its surface, usually on a stand so that it can be turned
4. religion the belief in the existence of a god or gods
5. biology the scientific study of the life and structure of plants and animals
6. astronomy the scientific study of the sun, moon, stars, planets, etc.
7. satellite an electronic device that is sent into space and moves around the earth or another planet.



话题词汇

Chemical substance
化学物质

atom, carbon, nitrogen, vapour, acid, oxygen, dioxide,
carbon dioxide

Scientists

astronomer, biologist, geologist, physicist

Science

astronomy, religion, biology

Animals

shellfish, amphibian, reptile, dinosaur, mammal



美句赏析

Souls are not designed to float around in thin air. ---Alex Chiu

When you crash and burn, you have to pick yourself up and go on and hope to make up for it. ---Burt Reynolds

Climate is what we expect; weather is what we get. ---Mark Twain

A gentle word, a kind look, a good-natured smile can work wonders and accomplish miracles. ---William Hazlitt

Imagination makes us shape better stories, sure, but it also allows us to multiply possibilities. ---Amitava Kumar



遣词造句

Group 1: astronomy; solar system; theory

Astronomy is the theory about the solar system and the whole universe.

Group 2: unlike; atmosphere; oxygen

Unlike Earth, no oxygen can be found in the atmosphere of this planet.

Group 3: fundamental; acid; harmful

Acid is fundamental to life, but can be harmful if taken too much.

Group 4: puzzle; give birth to; multiply

It is a puzzle why rabbits in this area multiplied so rapidly as they didn't seem give birth to any new babies.

Group 5: gentle; cheer up; get the hang of

So gentle and warm-hearted the physicist is that he cheers us up and helps us get the hang of the topic.



核心词汇

1. puzzle n. & v.

写出例句中puzzle的词性和含义

My sister **puzzles** me and causes my anxiety.

What **puzzles** me is why he left the country without telling anyone.

v. 使...迷惑不解

The rise in accidents remains a **puzzle**.

He thought he had solved the **puzzle**.

n. 谜一样的人或事物，难题



Quiz

翻译

令布朗先生不解的是，约翰是如何解开这个难题的。

What puzzles Mr. Brown is how John solved the puzzle.

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核心词汇

2. pull v. & n.

将例句中pull的含义与右边中文意思匹配。

- I helped **pull** him out of the water.
- He **pulled** the slip of paper from his shirt pocket.
- I gave the door a sharp **pull** and it opened.
- Huges **pulled** himself slowly to his feet.
- He **pulled** to a stop behind a pickup truck.

v. 掏出

v. (使劲) 移动

v. 拉

v. 停车

n. 拉; 拽; 扯

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Quiz

根据图片写相关句子



They fought and pulled each other's hair.



The bus pulled to a stop at the stop station.



核心词汇

3. exist v.

写出例句中exist相关意思

He thought that if he couldn't see something, it didn't **exist**.

Research opportunities **exist** in a wide range of areas.

Does life **exist** on other planets?

存在；实际上有

We **existed** on a diet of rice.

They can't **exist** on the money he's earning.

（尤其在困境或贫困中）生活，生存

派生词 existence n. 存在, 生存

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Quiz

名言翻译

我想要生活，而不仅仅是生存。

I intend to live life, not just **exist**. (by George Takei)

恐惧不存在于任何地方，只存在于头脑中。

Fear doesn't **exist** anywhere except in the mind. (by Dale Carnegie)

解决问题的第一步是认识到它的存在。

The first step in solving a problem is to recognize that it does **exist**.
(by Zig Ziglar)



核心词汇

4. violent adj.

根据例句写出violent的可能意思

- The crowd suddenly turned **violent**.
- I took a **violent** dislike to him.
- Her dress was a **violent** pink.

派生词

violence n. 暴力, 暴行, 狂热

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暴力的

猛烈的; 剧烈的

鲜艳夺目的



Quiz

台词翻译



来自《打工姐妹花 第1季 第23集》

做起来比听起来要暴力一百倍哦



来自《恋爱手册 第1季 第7集》

我为什么不是一个暴力型或者毒舌型的酒鬼呢



核心词汇

5. theory n.

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根据例句推断有关theory的搭配

- These birds helped Darwin develop his theory of natural selection. **develop a theory** 提出理论
- Researchers gave workers a questionnaire to test that theory. **test a theory** 测试理论
- No evidence emerged to prove either theory. **prove a theory** 证明理论
- Modern research strongly supports this theory. **support a theory** 支持理论
- In theory, everyone will have to pay the new tax. **in theory** 理论上



Quiz

名言翻译





即学即用

There are many theories on the origin of life on Earth. One theory has something to do with religion. According to this theory, all the different forms of life that occur today on planet earth, have been created by God. The second theory holds that lightening gave birth to life, as it can make amino acids (氨基酸) and sugars from an atmosphere with water. Life may also develop from molecules (分子) such as RNA, which still exists and performs roles in the living things. Another theory is that life did not begin on Earth at all, but was brought here from elsewhere in space. So you are probably from the stone from the universe that crashed on the Earth. Despite all of these theories, how life began on Earth still remains a puzzle.



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