

必修第三册

Unit 4 Space Exploration

基础知识排查

核心考点突破

基础知识达标

写作能力提升

< 第一部分 >

基础知识排查

I. 阅读单词——会意

1

astronaut*n.*宇航员；太空人

2

procedure*n.*程序；步骤；手续

3

cm*abbr.*(centimetre or centimeter)厘米

4

rocket*n.*火箭；火箭弹

5

gravity*n.*重力；引力

6

frontier*n.* 边境； 国界； 边远地区

7

vehicle*n.* 交通工具； 车辆

8

satellite*n.* 人造卫星； 卫星

9

orbit*n.* (环绕地球、太阳等运行的)轨道； 势力范围*vt. & vi.* 沿轨道运行； 环绕……运行

10

giant*adj.*巨大的；伟大的*n.*巨人；巨兽；伟人

11

leap*n.*跳跃；剧增；剧变*vi.& vt.*(leapt, leapt or leaped, leaped) 跳过；跃

过

12

agency*n.*(政府的)专门机构；服务机构；代理处

13

transmit*vt.& vi.*传输；发送

14

data

n.[*pl.*]资料; 数据

15

spacewalk

*n.*太空行走; 太空行走的时间

16

jade

*n.*玉; 翡翠; 玉器

17

solar

*adj.*太阳的; 太阳能的

18

solar system

太阳系; 类太阳系

19

sufficient*adj.*足够的; 充足的

20

soap*n.*肥皂

21

microwave*n.(also microwave oven)*微波炉

22

tissue*n.*纸巾; (人、动植物细胞的)组织

23

facility*n.*设施; 设备

24

fatal

*adj.*致命的；灾难性的

25

high-end

*adj.*高端的

26

foam

*n.*泡沫橡胶；泡沫

27

pillow

*n.*枕头

28

smartphone

*n.*智能手机

closing

adj. 结尾的；结束的

n. 停业；关闭；倒闭

II.重点单词——记形

1

launch*vt.& n.*发射；发起；上市

2

mankind*n.*人类

3

signal*vt.& vi.*标志着；标明；发信号*n.*信号；标志

4

recycle*vt.*回收利用；再利用

5

muscle*n.*肌肉；实力；影响力

6

float

vi. 浮动；漂流；漂浮

vt. 使浮动；使漂流

7

otherwise

adv. 否则；要不然

8

beyond

prep. 在更远处；超出

9

current

adj. 当前的；现在的

n. 水流；电流；思潮

10

towel

*n.*毛巾；抹布

11

keen

*adj.*热衷的；渴望的

12

shallow

*adj.*肤浅的；浅的

13

pattern

*n.*模式；图案；模范

14

monitor

n. 监视器； 监测仪

vt. 监视； 监测； 监控

15

resource

n. 资源； 财力； 物力

16

oxygen

n. 氧； 氧气



III. 拓展单词——悉变

1

mental*adj.* 精神的；思想的**→ mentally***adv.* 精神上地

2

intelligent*adj.* 有智慧的；聪明的；有智力的**→ intelligence***n.* 智慧

determined

*adj.*有决心的；意志坚定的

→ **determine**

*vt.*查明；确定；决定

→ **determination**

*n.*决心；果断

disappointed

adj. 失望的；沮丧的

→ **disappoint**

vt. 使失望

→ **disappointing**

adj. 令人失望的

→ **disappointment**

n. 失望；沮丧

desire

n. 渴望; 欲望

vt. 渴望; 期望

→ **desirable**

adj. 值得做的

independent

*adj.*独立的；自立的

→ **independently**

*adv.*独立地；自立地

→ **independence**

*n.*独立；自立

→ **depend**

*vi.*依靠

7

lack

vt. 缺乏；没有

n. 缺乏；短缺

→ **lacking**

adj. 缺乏的；不足的

8

globe

n. 地球；世界；地球仪

→ **global**

adj. 全球的；全面的

9

argue*vt.& vi.*论证；争辩；争论**→argument***n.*争论；争吵；论点

10

analysis*n.(pl.analyses)*(对事物的)分析；分析结果**→analyz(s)e***v.*分析

11

regular→ **regularly**→ **irregular***adj.* 定期的；经常的；正常的*adv.* 有规律地；经常；定期地*adj.* 无规律的；不定期的

12

limited→ **limitless/unlimited**→ **limit***adj.* 有限的*adj.* 无限的*vt. & n.* 限制

13

mystery*n.*神秘事物；谜**→mysterious***adj.*神秘的

14

attach*vt.*系；绑；贴**→attached***adj.*附着的；依恋的**→attachment***n.*附件；附属品；依恋

[拔高词汇] 背选修词汇

1

accustomed /ə'kʌstəmd/*adj.*习惯于; 通常的

2

cherish /'tʃerɪʃ/*vt.*抱有(信念、希望);

怀念; 珍爱

3

exhausted /ɪg'zɔ:stɪd/*adj.*筋疲力尽的; 枯竭的

4

whatsoever /,wɒtsəʊ'evə(r)/*adv.*丝毫(不); 一

点也(不)

5

spontaneous /spɒn' teɪniəs/ *adj.*自发的；自然的

6

unprecedented /ʌn' presɪdɪntɪd/ *adj.*前所未有的；
空前的

7

earnest /' ɜ:nɪst/

*adj.*非常认真的；真诚的

8

invade /ɪn' veɪd/

*vi. & vt.*武装入侵；

侵略；侵犯

9

surrender /sə'rendə(r)/*vi.& vt.* 投降; (被迫)放弃,

交出

n. 投降; 屈服; 屈从

10

capture /'kæptʃə(r)/*n.* (被)捕获; (被)俘获*vt.* 俘虏; 俘获; 捕获



IV. 背核心短语

1

carry on

继续做，坚持干

2

on board

在宇宙飞船上；在船上；在飞机上

3

in the hope of doing sth

抱着……的希望

4

so as to (do sth)

为了；以便

5

figure out

弄懂；弄清楚；弄明白

6

result in

导致；造成

7

as a result

所以；结果(是)

8

provide for sb

提供生活所需

9

in closing

最后

10

run out

用完；耗尽

V. 悟经典句式

1

Astronauts have to use tape to stick everything down while working in space because everything would float off otherwise.(otherwise引导的含蓄虚拟条件句)

宇航员在太空工作时，不得不用胶带把所有的东西固定下来，否则所有的东西都会飘走。

2

Sending people to other planets or even beyond the solar system is not an easy goal to achieve.(主语 + be + *adj.* + to do...)

把人送到其他星球甚至太阳系以外不是一个容易达到的目标。

3

Firstly, exploring space has already made a difference in the fight against world hunger.(动名词短语作主语)

首先，太空探索已经在对抗世界饥饿的斗争中发挥了重要作用。

As a result, space-based science has helped farming in its efforts to grow enough food to feed Earth's increasing population.(现在分词作前置定语)

因此，基于太空的科学有助于提高农业产量，从而为地球上不断增长的人口提供充足的食物。

I. 阅读单词

1. procedure

n. 程序；步骤；手续

2. sufficient

adj. 足够的；充足的

3. gravity

n. 重力；引力

4. fatal

adj. 致命的；灾难性的

5. vehicle

n. 交通工具；车辆

6. satellite

n. 人造卫星；卫星

7.orbit

n. (环绕地球、太阳等运行的)轨道；势力范围

vt.& vi. 沿轨道运行；环绕……运行

8.high-end

adj. 高端的

9.agency

n. (政府的)专门机构；服务机构；代理处

10.leap

n. 跳跃；剧增；剧变

vi.& vt. 跳过；跃过



11.data

n.[pl.] 资料；数据

12.transmit

vi.& vt. 传输；发送

II.重点单词

1. launch

vt. & n. 发射；发起；上市

2. signal

vt. & vi. 标志着；标明；发信号

n. 信号；标志

3. recycle

vt. 回收利用；再利用

4. beyond

prep. 在更远处；超出

5. float

vi. 浮动；漂流；漂浮

vt. 使浮动；使漂流



6. current

*adj.*当前的；现在的

*n.*水流；电流；思潮

7. keen

*adj.*热衷的；渴望的

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*n.*模式；图案；模范

9. monitor

*n.*监视器；监测仪

*vt.*监视；监测；监控

10. resource

*n.*资源；财力；物力

III. 拓展单词

1. mental

→ mentally

adj. 精神的； 思想的

adv. 精神上地

2. intelligent

→ intelligence

adj. 有智慧的； 聪明的； 有智力的

n. 智慧

3. desire

n. 渴望； 欲望

vt. 渴望； 期望

→ desirable

adj. 值得做的

4. lack

vt. 缺乏；没有

n. 缺乏；短缺

adj. 缺乏的；不足的

→ lacking

n. 地球；世界；地球仪

5. globe

adj. 全球的；全面的

→ global

6. regular

→ regularly

→ irregular

7. mystery

→ mysterious

adj. 定期的；经常的；正常的

adv. 有规律地；经常；定期地

adj. 无规律的；不定期的

n. 神秘事物；谜

adj. 神秘的

IV. 拔高词汇

1. accustomed

adj. 习惯于； 通常的

2. cherish

vt. 抱有(信念、希望)； 怀念； 珍爱

3. exhausted

adj. 筋疲力尽的； 枯竭的

4. capture

n. (被)捕获； (被)俘获

vt. 俘虏； 俘获； 捕获

5. whatsoever

adv. 丝毫(不)； 一点也不(不)

V.核心短语

1. carry on

继续做，坚持干

2. on board

在宇宙飞船上；在船上；在飞机上

3. so as to (do sth)

为了；以便

4. figure out

弄懂；弄清楚；弄明白

5. as a result

所以；结果(是)

6. in closing

最后

I.词形变化填空

1. When asked whether he was determined to be an astronaut, the boy just looked at me with determination. (determine)

2. What disappointed me was not the disappointing result of the match. It was your disappointed look that gave me a strong sense of disappointment. (disappoint)

3. Most of us are longing to be independent from our parents, because our independence shows that we've grown up but when meeting with difficulties, we'll have to depend on our parents.(depend)

4. A person's life is limited but knowledge is limitless/unlimited.(limit)

5. An argument about whether people should carry on with space exploration took place at the conference and some people argued that we should stop wasting time and money on it.(argue)

6. Unsatisfied with the results of the analysis, the researchers analyzed the data again. (analyze)

7. He is healthy mentally and physically. That is to say, he has mental and physical health. (mental)

8. Many parents attach great importance to getting a good education at this school attached to Peking University. (attach)

II. 选词填空

carry on, figure out, result in, provide for, run out, in the hope of

1. Only after he failed a second time did he realize that it was his laziness that **resulted in** his failure.

2. My car broke down on the way to the beach because **it had run out of petrol**.
I **carried on**.

3. We must **persevere** till success in spite of the extremely difficult conditions.

carry on, figure out, result in, provide for, run out, in the hope of

4. Mankind is exploring space in the hope of finding out more about the universe.

5. We are anxious to know whether you have figured out how much the trip will cost altogether.

6. She'd have sufficient money to provide for her children until she could find a job.

III. 经典句型仿写

1. 工人们没有被组织好，否则他们会用一半的时间完成任务的。

(otherwise引导的含蓄虚拟条件句)

The workers were not better organized, otherwise they would have accomplished the task in half the time.

2. 你知道来参加聚会的人数吗？(现在分词短语作定语)

Do you know the number of people coming to the party ?

3.我真诚地邀请你和我们一起去过春节。你会发现这里的人很友好，他们很容易相处。(主语+be+*adj.*+to do...)

I sincerely invite you to spend Spring Festival with us.You'll find people here friendly and they are easy to get along/on with.

4.听录音机是提高你听力技能的好方法。(动名词短语作主语)

Listening to the radio is a good way to improve your listening skill.

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