

精选第九届初中生科普英语竞赛  
辅导材料

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### 1. An Animal that Sees with Its Ears

**echolocation** [ekəuləu'keɪʃən]n. 回声定位能力, 回声定位法

**eyesight** ['aɪsaɪt]n. 视力

**object** ['ɒbdʒɪkt] n. 物体

**宾语从句 Scientists now know that bats 'see' by using what we call 'echolocation'.**

**表语从句 Here is how it works.**

**It is+adj.+for sb.to do sth. It is almost impossible to trick them.**

**use their eyesight to hunt for food**

**certain bats:some bats**

**make a sound**

**send out sound waves**

**a fraction of a sound later:in a short time  
not only...but...**

**even though:even if 即使**

**without any trouble**

**more importantly**

**catch it in mid-air**

**tell v. 判断**

**something good to e**

## **2.Fish with flashlights?**

**现在完成时 have+过去分词 Have you ever heard of a fish with flashlight?**

**现在完成进行时 Have you ever been sitting at home when the electricity went off?**

现在分词 doing, 具有形容词或副词的特点, 可以做定语、状语、补语、表语。

如: There is a man standing there. (后置定语)

Being ill today, I won't come. (原因状语)

**I see him standing there.** (补语) He is **speaking.** (表语)

(注意它和动名词做表语的区别, 记住动名词是个名词性成分)

the 比较级+the 比较级 越...就越...

**The darker the surroundings, the brighter the glow appears to be.**

定语从句

**These bacteria produce certain chemicals that give off a faint glow.**

**Some of these fish have special 'shutters' over the pouches in which these bacteria live.**

**Other scientists think that the fish use these 'flashlights' to attract smaller fish which they eat as food.**

**There may be other reasons for this special 'flashlight' that we have not yet discovered.**

### **Key structures and Phrases**

被动语态 be+过去分词 Sometimes the fish do not want to be seen, so they simply close these shutters. This keeps the glow from being seen.

(the electricity) go off: go out / have a black out  
give offlight

pretty scary: very scary

search for: look for

as...as...

to a depth of 到达...的深度

once 一旦

pitch-black adj. 漆黑的, 墨黑的

have the ability to = be able to

keep ...from doing sth. = stop ...from doing sth.

at other times = on other occasions

allow sb. to do sth.

a colony of thousands of bacteria 聚集着成千上万的  
细菌

**give off a faint glow=give off faint light**

3 Penguins-perfect parents

**survive** [sə'vaiv]v. 生存, 生还

**amazing** [ə'meiziŋ] 惊人的, 惊奇的

形容词最高级 **the most amazing animals**

one of the coldest places on Earth

**虚拟语气** **If their eggs were left on the ice,they  
would freeze solid!**

**被动语态** **be left**

**定语从句** **They return to the icy shore where the  
mother lays one very large egg.**

make their home in the Antarctic 在南极安家

not only...but also =not only...but..as well

survive the bitter cold 在严寒的环境中生存

make perfect parents=be perfect parents

spend....(in)doing sth.

at the start of winter

nothing but=only

a fold of feathered skin

**roll onto**

**stay behind**

**be full of**

**feed with**

**care for =take care of =look after**

go back to the sea

take turns doing sth.轮流, 依次做某事

one parent,the other..... 一个, 另一个

联系动词——stay+ 形容词 stay gone

表示状态和状态的持续, 如: be(是), seem(似乎), look(看起来), appear(似乎), feel(觉得), sound(听起来), smell(闻起来), taste(尝起来), keep(保持), remain(保持), stand(站立), lie(躺), stay(停留)等。表示从一种状态转变为另一种状态, 如: become(变成), go(变得), get(变得), turn(变成), grow(变成), fall(变成某种状态), come(成为), run(变成)等。

**4 What?!A meat-eating plant?!**

herbivorous [hə:'bivərəs] a. 食草性的

carnivorous [kɑ:'nivərəs] a. 食肉性的

the pitcher plant ['pitʃə] 猪笼草

sundew ['sʌn, du:] n. 毛膏菜

be composed of [kəm'pəuzd] 由...组成

slippery ['slipəri] a. 滑的

rim [rim] n. (尤指圆形物的) 边缘

prevent...from doing sth. 防止做某事

nectar ['nektə] n. 花蜜

projection [prə'dʒekʃən] n. 突起, 突状物

suffocate ['sʌfəkeɪt] v. 使窒息

fearfully ['fiəfəli] adv. 可怕地

定语从句

**Those that eat plants;and those that eat meat.**

**People in Asia could tell you about the pitcher plant, which is shaded with bright red color and produces a honey-like juice that attracts insects.**

**The fluid then suffocate the insect,which gradually is digested by the plant.**

**divide into 把...分成**

believe it or not 信不信由你, 不管你是否相信

for example:for instance 例如

tell sb.about sth.

is shaded with 掩映在...之中(被动语态)

be composed of 由...构成

extremely slippery=very slippery

lean over 弯下身子, 俯身于...之上

lose one's footing 失足

at the bottom of 在…的底部

drown the insect 将昆虫淹死 [draun]

digest...as food for the plant 将它作为植物的美食消化掉

secrete a sticky substance [si'kri:t] 分泌一种粘稠的物质

prevent...from doing sth. 防止…做某事

struggle to free itself 挣扎着想飞走

adapt to 适应

5 Light night,dark stars

haze [heiz ]n. 薄雾

artificial [,a:ti'fiʃəl ]adj. 人造的

surround [sə'raund]vt. 包围，环境

be surrounded by 被…环绕

invisible [in'vizəbl]adj. 看不见的，无形的

disorient [dis'ɔ:riənt]vt. 使失去方向感，使迷惑

efficient [I'fiʃənt ]adj. (直接)生效的，有效率的，能干的

energy-efficient a. 节能的

shielding [ˈʃi:ldiŋ]n. 护罩

blind n. (pl.) 百叶窗，窗帘



internal a. 内在的, 内部的  
形容词、副词比较级

**more wisely and with less waste**

**even worse/ far more difficult**

on a clear night 在一个晴朗的晚上

**block the view** 挡住视线

**see..from afar** 从远处看

**witness light pollution** 见识光污染

**be made up of** 由...组成

**make...even worse** 使...更严重

**this haze of light** 这团光雾

**make it far more difficult for sb. to do sth. it** 为形式  
宾语

**depend on** 依靠, 依赖

guide them into the water 指路回到水中

end up doing sth. 以.....结束

### **Key structures and Phrases**

head toward...by mistake 错误地朝着...走

lit-up parking lots 灯火通明的停车场

It is estimated that .. 据估计

prevent...from doing sth.

in use 使用中

**encourage sb.to do sth. 鼓励某人做某事**

motion-sensor lights 感应灯

energy-efficient light bulbs 节能灯泡

shine skyward 向天空照

可修饰比较级的词

**1) a bit,a little,rather,much,by far,many,a lot, lots,a great deal,any,still,even 等**

2) 还可以用表示倍数的词或度量名词作修饰语

3) 以上词(除 by far)外, 必须置于比较级形容词或副词的前面

6 Don't eat that sandwich!

contaminate [kən'temineit]v. 弄脏, 污染

bacteria[bæk'tiəriə ]n. 细菌

vomit [vɒmit ]v. 呕吐

diarrhea [,daɪə' riə]n. 痢疾, 腹泻

organism [ɔ:gənizəm]n. 有机体, 有机组织

symptom['simptəm] n. 病症

Salmonella [sælmə' nelə ]n. 沙门氏菌

thoroughly [θAərəli]ad. 彻底地, 完全地

attach to [ə'tetʃ] 附在... 上

in the rush to do sth. 急匆匆地做某事

throw it away 扔掉

**follow a rule** 遵循规那么

**single celled organisms** 单细胞有机体

**cause illnesses:cause diseases**

**common symptoms** 常见的病症

**food borne bacteria**食物上滋生的细菌 (bear-bore-born/borne)

**make people sick**

**earlier this year** 今年年初

**attach to** 附在……上

**according to** 根据, 据……说

**carry out a series of experiments** 开展一系列实验

**it takes sb.some time to do sth.**

**toss it out** 把它丢弃, 扔掉

**be careful (not)to do sth.** 留神(别)做某事

**at the manufacturing plant** 在生产厂

**家** [mænju'fæktʃə]

**be found in raw eggs and chicken** 被动语态

**raw——cooked** 反义词

**cook thoroughly** 烧

熟

**tip** n. 提示, 技巧

动名词——动词原形+ing 构成, 具有名词, 动词一些特征

**Being a good housekeeper is a second tip for preventing infection.**

动名词：动名词在形式上和现在分词相同，然而现在分词具有形容词或副词的特点；而动名词具有名词的特点，在句子中可作主语、表语、宾语或介词的宾语。

e. g. Working with you is a pleasure. 和你一起工作是一种乐趣。 (主语)

Seeing is believing. 眼见为实。 (主语)

Another goal was ending the chaos in the country. 另一个目标是结束国家的混乱状态。 (表语)

My job is teaching. 我的工作 是教学。 (表语)

Her shoes want mending. 她的鞋该修理了。 (宾语)

I have finished writing this book. 我已经写完这本书了。 (宾语)

She left without saying good-bye to us. 她没有向我们辞别就走了。 (介词宾语)

My brother is fond of skating. 我弟弟喜爱滑冰 (介词宾语)

Thank you for giving me some help. 谢谢你给我些帮助。 (介词宾语)

**Being a good housekeeper is a second tip for preventing infection.**

## 7.A different way to wake up

**assignment** [ə'sainmənt] n. 作业

**halogen** ['hælədʒən] n. 卤素

**cured** [kjʊəd] a. 腌制的

**clang** [kleŋ] v. 发出当当声

**strip** [stri:p] n. 条

**preserved** [pri'zə:vəd] a. 保鲜的

**spoil** [spɔil] v. 坏掉

**nostril** ['nɒstri:l] n. 鼻孔

**beep** [bi:p] n. 喇叭

**work on a degree in art and technology** 攻读艺术与技术学位

**in electronic class** 在电子班

**create something for the household** 开发一个家居用品

**an alarm clock** 闹铃

**deal with**

**wake up to** 被...叫醒

**instead of** 替代

**clanging** 发出当当声的

**rather than** 而不是

**There is no danger of burning** 不会有失火的危险

use for doing sth. = use to do sth. 用来做某事

turn off automatically 自动熄灭(关闭)

a couple of (=several) frozen strip 几条速冻的肉

**the night before** 前一天晚上

spoil v. 坏掉, 腐坏

**set the alarm for** 把闹钟设在(几点)

**under the halogen bulbs**

**blow the scent out** 把香味吹出

smell yourself awake 烤肉的香味把自己叫醒

**on the side** 边上的

被动语态 be+ 过去分词 Just a few easy steps are

**required to set the 'alarm'.**

8. Europe tops the world charts for quality of life

top n. 盖, 加以顶, 高达, 超越

chart 图表, 这里指排行榜

**quality of life** 生活质量

show...as...显示...为...

tie n. (投票等的) 同数, (比赛时) 同分, 平局;

v. 不分胜负

tying tie 的 ing 形式

criteria [krai' tiorɪə] n. 标准

key criteria 关键的〔主要的〕评选标准

**be lacking in** “缺乏”

**magnify** [mægnifai]v.放大, 扩大

**scrape** [skreip]v.刮擦, 摩擦, “触地”

**stakes** n.木桩, “方面”

**knock...into...**把...打入、击入

**dominate** [domineit]v. 支配, 占优势

**rank** [reŋk]n.排名 v.排列, 归类于, 列于

**annual** ['enjuəl] a. 每年的; 全年的

**consultancy** [kən'saltənsi]n. 参谋

**retain** [ri'tein]vt. 保持, 保存

**distinction** [dis'tɪŋkʃən]n. 声望

**Brazzaville** ['brezəvil] 布拉柴维尔

**Congo** ['kɒŋəu] 刚果

**in which to live** 用来修饰先行词 city

**Zurich** ['zuərɪk]n. 苏黎世

**Vancouver** [ven'ku:və] 温哥华(加拿大一港市)

**Vienna** [vi'enə]n. 维也纳(奥地利首都)

**be used to** 被用于

**desirability** [di,zairə'biləti]n. 愿望, 需求

v.desire 渴望 -able 形容词后缀-ability 能力

**natural and socio-cultural environment** ['səʃiəu] 自然  
人文环境

**recreation** [rekri'eif(3)n] 娱乐, 消遣  
equal with 与...相等, 与.....并列  
**senior researcher** ['si:njə] 高级研究员  
basic comforts of life 根本的生活舒适度  
**hygiene** ['haidzi:n]n. 卫生  
personal safety 个人平安  
differentiators [difə'rənʃi,eitə] 差距  
developing countries 开展中国家  
**developed countries** 兴旺国家  
instability n. 不稳定性  
stable a. 稳定的—stability n.稳定性—instability  
round out 充实, 还有, 饱满  
in the environmental stakes 在环境方面  
pollution-choked 城市污染严重的 choke 窒息  
Frankfurt ['frenkfət] 法兰克福  
Helsinki ['helsiŋki] 赫尔辛基  
Auckland [ɔ:klənd] 奥克兰  
Copenhagen [,kəʊpən'heigon] 哥本哈根  
Ouagadougou [wa:gə'du:gu:]瓦加杜古  
Burkina Faso ['bə:kinə'fesəu]布基纳法索 (非洲国家)  
Baghdad ['bægdæd]巴格达



Calgary ['kɛlgəri] 卡尔加里

Mexico City ['mɛksikəu] 墨西哥

被动语态 be+过去分词 was used as/were used  
to/is magnified by

现在完成时 have/has+过去分词 Though the world's  
living standards have risen slightly since last year,...

rise-rose-risen 上升

用于现在完成时的词: already,yet,ever,never,before,  
just,lately,up to now,up till now,now,so far,for+一  
段时间, since+时间点, three times.....

9.Skip the milk chocolate,dark is better for you  
skip 跳过

bonbon ['bɒnbɒn] 糖果

be better off (doing sth.) 最好做某事, 做某事很明智

protect against 使免受

interfere with 阻碍, 干扰

dietary ['daɪətəri]a.饮食上的 diet n.饮食

flavonoid ['fleivənɔɪd] 类黄酮

degenerative disease n.变性疾病, 变异疾

病 [di'dʒenərətɪv]

**be good for ----be better for**

**if...,might..**

**favor** vt.支持, 赞成, 喜爱 **favorite** a.喜爱的  
**favor...over...**喜爱胜过

**variety** n.品种, 种类 **a variety of** 各种各样的  
**varied** a. 各式各样的

**be better off switching** 最好还是改变一下

**antioxidant** ['enti'ɒksidənt]抗氧化剂, 硬化防止剂  
**anti-** 反, 抗 **oxid-** 氧气, 氧化

**oxygen** 氧气 **carbon-dioxide** 二氧化碳 **carbon monoxide** 一氧化碳

**raise+n.vt** 及物动词, 后接名词 n.上升, 高地,

**rise** vi. 不及物动词, 后不接名词 n. 上升, 增加

**protect against** 使免受

**heart disease** 心脏疾病

**along with** 伴着

**interfere with** 阻碍, 干扰[, intə'fiə]

**absorption** n.吸收 **absorb** v.

**scientific journal Nature** 科学杂志?自然?

**100 grams of** 100 克

**blood analysis** [ə'nælisɪs] 血液分析

**epicatechin** [epi'ketitʃɪn] 表儿茶酸

**associate** [ə'səʊʃieɪt]n. 同事, 助手

**in contrast** 相反, 比照 a-[æ]

moreover=in addition 此外

(in the)bloodstream 血流

highlight the possibility 增加了可能性

**highlight v.使显著 possible---possibility**

**take into account 重视, 考虑**

dietary habits 饮食习惯

assess v. 评估 assessment n.

被动语态 be+过去分词 is/was eaten/was seen

形容词比较级 **is better for be better off doing**

**sth. much lower than**

**good-better-best much-more-most many-**

**more--most**

**10.Lots of fruit in childhood cuts adult cancer risk**

cuts adult cancer risk 成年少生癌症

**the more.....the more...越...越...**

**have an effect on 对...有影响**

fill in 填写(表格)

inventory [ 'invəntəri ]n. 清单

be less likely to 可能性较小

suffer from 患(某种病);受(某种病痛)折磨

cancer [ 'kænsə ] 癌症

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