

<<科技英语阅读>>

图书基本信息

书名：<<科技英语阅读>>

13位ISBN编号：9787313055590

10位ISBN编号：7313055595

出版时间：2009-9

出版时间：上海交通大学出版社

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页数：222

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前言

随着我国对外科技交流的发展,科技英语已成为我国科技工作者查询科技资料、撰写学术论文、进行对外学术交流的工具。

因此,对大学生尤其对理工科和英语专业的大学生而言,掌握科技英语使用技能的必要性和重要性正与日俱增。

阅读技能是所有技能的基础,要想进一步提高科技英语水平,首先应突破阅读关。

本书的使用对象是已具备大学英语四级水平,希望继续提高英语水平的理工科大学生和英语专业二、三年级学生及广大英语和科技爱好者。

本书特点如下: 1. 新颖性。

所有文章均选自近期出版的英语科技报刊、科普读物或国际上著名的科技网站,反映了目前先进的科研成果。

2. 趣味性。

充分考虑使用者心理规律,以兴趣为先导,以培养能力为目标,力戒以往教材因过于强调知识而挫伤读者积极性的做法。

3. 知识性。

选材重视文章的知识含量,避免过分浅显,力求帮助读者提高科学素养。

本书的选材以科普文章为主,取材广泛,内容涉及生命科学、计算机科学、工程学、生物学、医学、环境科学、新能源、太空科学等15个科技领域,反映了当代科技的前沿成果,并贴近现实,富有时代气息。

本书语言富有科技英语特色,含有较丰富的通用和专业科技英语词汇和语法结构。

在内容编排上,根据课文A的难度系数,由易到难,循序渐进。

本书结合文章内容,设计了形式多样的练习,以帮助读者充分理解、掌握和运用所学知识。

本书还配有同步辅导书《科技英语阅读导读》,《导读》主要包括背景简介、难点解析、练习答案、参考译文等内容,以满足教师和学习者的需求。

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内容概要

本书共15个单元，每个单元包括两篇课文，即课文A和课文B，内容涉及生命科学、计算机科学、工程学、生物学、医学、环境科学、新能源、太空科学等15个科技领域。

《科技英语阅读》兼具新颖性、趣味性和知识性，使用对象为具备大学英语四级水平的理工科大学生和英语专业二、三年级学生及广大英语和科技爱好者。

书籍目录

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章节摘录

1 Sometimes you do things simply because you know how to do. People have known how to make ethanol since the dawn of civilisation, if not before. Take some sugary liquid. Add yeast. Wait. They have also known for a thousand years how to get that ethanol out of the formerly sugary liquid and into a more or less pure form. You heat it up, catch the vapour that emanates, and cool that vapour down until it liquefies. 2 The result burns. And when Henry Ford was experimenting with car engines a century ago, he tried ethanol out as a fuel. But he rejected it—and for good reason. The amount of heat you get from burning a litre of ethanol is a third less than that from a litre of petrol. What is more, it absorbs water from the atmosphere. Unless it is mixed with some other fuel, such as petrol, the result is corrosion that can wreck an engine's seals in a couple of years. So why is ethanol suddenly back in fashion ?

That is the question many biotechnologists in America have recently asked themselves. 3 The obvious answer is that, being derived from plants, ethanol is "green". The carbon dioxide produced by burning it was recently in the atmosphere. Putting that CO₂ back into the air can therefore have no adverse effect on the climate. But although that is true, the real reason ethanol has become the preferred green substitute for petrol is that people know how to make it—that, and the subsidies now available to America's maize farmers to produce the necessary feedstock. Yet such things do not stop ethanol from being a lousy fuel. To solve that, the biotechnologists argue, you need to make a better fuel that is equally green. This is what they are trying to do !

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