

2012年英语一阅读 Text 3

科学发现声明的取信过程

审题找关键点，精准定位，提高正确率：

31. According to the first paragraph, the process of discovery is characterized by its _____.
32. It can be inferred from Paragraph 2 that credibility process requires _____.
33. Paragraph 3 shows that a discovery claim becomes credible after it _____.
34. Albert Szent-Györgyi would most likely agree that _____.
35. Which of the following would be the best title of the test?
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段1

①In the idealized version of how science is done, facts about the world are waiting to be observed and collected by objective researchers who use the scientific method to carry out their work. ②But in the everyday practice of science, discovery frequently follows an ambiguous and complicated route. ③We aim to be objective, but we cannot escape the context of our unique life experiences. ④Prior knowledge and interests influence what we experience, what we think our experiences mean, and the subsequent actions we take. ⑤Opportunities for misinterpretation, error, and self-deception abound.

【段1】 _____

【句】长难句①见微信公众号田静老师的每日长难句39。

段1生词：

- the idealized version 理想方式
- idealize v. 使理想化
- objective adj. _____ n. 目的，目标
- carry out one's work 开展工作
- frequently adv. _____

frequent adj. _____

- follows a... route 沿着……路径

- ambiguous adj. _____

- complicated adj. _____

- context n. 背景，环境；上下文

- prior knowledge 先验知识，先前知识

- subsequent adj. _____

subsequently adv. _____

- misinterpretation n. 误解

interpretation n. 解释，说明；演绎

- self-deception n. 自我欺骗

deception n. 欺骗；骗术

- abound v. 充满，大量存在，富于

段2

①Consequently, discovery claims should be thought of as protoscience. ②Similar to newly staked mining claims, they are full of potential. ③But it takes collective scrutiny and acceptance to transform a discovery claim into a mature discovery. ④This is the credibility process, through which the individual researcher's *me, here, now* becomes the community's *anyone, anywhere, anytime*. ⑤Objective knowledge is the goal, not the starting point.

【段2】 _____

段2生词：

- consequently adv. _____

- discovery claims 发现声明

- protoscience n. 源科学，科学雏形

- similar to... _____
- stake (out) a claim 公开声明对……拥有所有权
- stake v. 用桩支撑，标桩，系……于桩上
- mining n. 采矿
- full of potential _____
- collective adj. _____ n. 集团；集合体
collect v. 收集，聚集
collection n. 收集，聚集；收藏品
- scrutiny n. _____
scrutinize/scrutinise v. _____
- acceptance n. 接受，接纳；赞成
accept v. 接受，接纳；赞成
- transform... into... 将……转变为……
- transform v. 转变，改变；转化，转换
transformation n. 转变，改变；转化，转换
- mature adj. 成熟的，充分考虑的；成年人的
- the credibility process _____
- community n. 团体；社区，群落

段3

①Once a discovery claim becomes public, the discoverer receives intellectual credit.
②But, unlike with mining claims, the community takes control of what happens next.
③Within the complex social structure of the scientific community, researchers make discoveries; editors and reviewers act as gatekeepers by controlling the publication process; other scientists use the new finding to suit their own purposes; and finally, the public (including other scientists) receives the new discovery and possibly accompanying

technology. ④As a discovery claim works its way through the community, the interaction and confrontation between shared and competing beliefs about the science and the technology involved transforms an individual's discovery claim into the community's credible discovery.

【段3】

【句】长难句④见微信公众号田静老师的每日长难句40。

段3生词：

- intellectual credit 学术赞誉
- intellectual adj. _____ n. 知识分子
- take control of... 掌控
- complex adj. _____
- the scientific community 科学界
- act as... 担任……角色
- suit one's own purposes 满足某人自己的需要、目的
- work one's way through... 排除困难穿过……(朝特定的方向)前进
- interaction n. 相互作用, 相互影响
- confrontation n. _____
- confront v. _____
- shared and competing beliefs 相容的和相抗的理念
- credible adj. _____
- credibly adv. _____
- credibility n. _____

段4

①Two paradoxes exist throughout this credibility process. ②First, scientific work tends to focus on some aspect of prevailing knowledge that is viewed as incomplete or

incorrect. ③Little reward accompanies duplication and confirmation of what is already known and believed. ④The goal is *new-search*, not *re-search*. ⑤Not surprisingly, newly published discovery claims and credible discoveries that appear to be important and convincing will always be open to challenge and potential modification or refutation by future researchers. ⑥Second, novelty itself frequently provokes disbelief. ⑦Nobel Laureate and physiologist Albert Szent-Györgyi once described discovery as “seeing what everybody has seen and thinking what nobody has thought.” ⑧But thinking what nobody else has thought and telling others what they have missed may not change their views. ⑨Sometimes years are required for truly novel discovery claims to be accepted and appreciated.

【段4】 _____

段4生词：

- paradox n. _____
- tend to do sth. _____
- focus on... 集中、聚焦于.....
- prevailing adj. _____
- be viewed as... 被视为.....
- incomplete adj. 不完全的, 未完成的, 不完整的
complete adj. 完整的, 完成的 v. 完成, 使完满
- incorrect adj. 不正确的, 错误的
correct adj. 正确的 v. 改正, 批改, 指出错误
- duplication n. 重复, 复制
- confirmation n. _____
confirm v. _____
- appear to do/be... 貌似, 看起来似乎.....

- convincing adj. _____
- convince v. _____
- be open to challenge 面对挑战
- modification n. 修改, 改变, 更改
- modify v. 修改, 改变, 更改
- refutation n. 辩驳, 反驳, 驳斥
- novelty n. _____
- novel adj. _____ n. 小说
- provoke v. _____
- disbelief n. 不相信, 怀疑
- Nobel Laureate 诺贝尔奖获得者
- physiologist n. 生理学家
- appreciate v. 欣赏, 重视; 意识到, 体会

段5

①In the end, credibility “happens” to a discovery claim—a process that corresponds to what philosopher Annette Baier has described as the *commons of the mind*. ②“*We reason together, challenge, revise, and complete each other’s reasoning and each other’s conceptions of reason.*”

【段5】 _____

段5生词：

- correspond to... _____
- correspond v. 相一致, 符合; 相当, 相类似
- philosopher n. 哲学家
- reason v. _____ n. 理由, 原因; 理性
- conception n. _____

31. According to the first paragraph, the process of discovery is characterized by its _____.

- [A] uncertainty and complexity
- [B] misconception and deceptiveness
- [C] logicity and objectivity
- [D] systematicness and regularity

我的答案：_____ 正确答案：_____

根据原文中的哪句话判断出答案？_____

选项B和C的正误原因？_____

静姐的“填坑指南”：_____

32. It can be inferred from Paragraph 2 that credibility process requires _____.

- [A] strict inspection
- [B] shared efforts
- [C] individual wisdom
- [D] persistent innovation

我的答案：_____ 正确答案：_____

根据原文中的哪两句话判断出答案？_____

静姐的“填坑指南”：_____

33. Paragraph 3 shows that a discovery claim becomes credible after it _____.

- [A] has attracted the attention of the general public
- [B] has been examined by the scientific community
- [C] has received recognition from editors and reviewers
- [D] has been frequently quoted by peer scientists

我的答案：_____ 正确答案：_____

选项A、C和D的正误原因？_____

静姐的“填坑指南”：_____

34. Albert Szent-Györgyi would most likely agree that _____.

- [A] scientific claims will survive challenges
- [B] discoveries today inspire future research
- [C] efforts to make discoveries are justified
- [D] scientific work calls for a critical mind

我的答案：_____ 正确答案：_____

定位原文在哪段？ _____

选项B和C的正误原因？ _____

静姐的“填坑指南”：_____

35. Which of the following would be the best title of the test?

- [A] Novelty as an Engine of Scientific Development
- [B] Collective Scrutiny in Scientific Discovery
- [C] Evolution of Credibility in Doing Science
- [D] Challenge to Credibility at the Gate to Science

我的答案：_____ 正确答案：_____

选项B和D的正误原因？ _____

静姐的“填坑指南”：_____