

# Study Com Answer Key

## UNIT 9 Study Guide Answer Key

### Answer Key

#### SECTION 17.1. THE LINNAEAN SYSTEM OF CLASSIFICATION

1. organisms or species
  2. physical similarities
  3. taxa
  4. organisms or species
  5. binomial nomenclature
  6. a scientific name or two-part Latin name
  7. In a hierarchy, each level is nested, or included, in the level above it.
  8. From kingdom to species, the taxa become more and more specific; broad to specific.
- Seven taxa: a. kingdom; b. phylum; c. class; d. order; e. family; f. genus; g. species

#### SECTION 17.2. CLASSIFICATION BASED ON EVOLUTIONARY RELATIONSHIPS

1. the evolutionary history for a group of species
  2. in a branching-tree diagram, such as a cladogram
  3. to place species on a branching-tree diagram in the order in which they descended from a common ancestor
  4. taxon being classified
  5. clade
  6. node
  7. derived characters
  8. a group of organisms that shares a common ancestor
  9. Scientists must determine which derived characters are shared by which groups of organisms; the more derived characters a group of organisms has, the later it descended from the common ancestor.
  10. A node is a place where a branch splits. It represents the most common ancestor shared by a clade.
  11. DNA sequences/genes, amino acid sequences/proteins, hormones, etc.
  12. As more research is done and the evolutionary histories of different species become better understood, evolutionary trees are rearranged to reflect the most current scientific understanding.
  13. The species are very closely related; they share a relatively recent common ancestor.
  14. A phylogeny shows the origins for a group, or "class," of species.
  15. Cladistics is classification based on evolutionary relationships and a cladogram shows these relationships in a branching-tree diagram.
  16. derived
9. The technology at the time did not allow Linnaeus to examine organisms at the molecular or genetic level.
  10. Unrelated species can evolve similar traits through convergent evolution.
  11. These types of similarities are more likely the result of species sharing a common ancestor than are physical similarities.
  12. naming, classifying
  13. Latin
  14. genus, species

#### SECTION 17.4. DOMAINS AND KINGDOMS

1. Since it reflects the most current understanding of how living things are related, new discoveries can change the way living things are classified.
2. Three hundred years ago, only two kingdoms were recognized. Now, a six-kingdom system is most widely accepted.
3. His research revealed two genetically different groups of prokaryotes, which justified splitting kingdom Monera into two kingdoms. The genetic and cellular differences were so great, that these two kingdoms were eventually placed into different

**Study com answer key** is a resource frequently sought after by students and educators alike. It serves as a guide to understanding the correct answers for various courses and assessments available on the Study.com platform. This article will delve into the significance of the Study.com answer key, how it can be utilized effectively, and the implications of using such resources in academic settings.

## Understanding Study.com

Study.com is an online educational platform that offers a vast array of courses across multiple subjects. These courses are designed to aid students in their studies, providing them with video lessons, quizzes, and practice

tests. The platform caters to different educational levels, from high school to college, and even professional development.

## **The Role of Answer Keys**

Answer keys play a crucial role in the learning process. They provide students with the correct responses to questions, helping them verify their understanding of the material. Here are some key functions of answer keys:

1. **Self-Assessment:** Students can use answer keys to assess their knowledge and identify areas where they need improvement.
2. **Clarification:** They help clarify misconceptions about specific topics.
3. **Study Aid:** Answer keys serve as a study aid, allowing students to review and prepare for exams more effectively.
4. **Feedback:** Educators can use answer keys to provide feedback to students on their performance and understanding of course material.

## **Accessing the Study.com Answer Key**

Accessing the Study.com answer key can be straightforward, but it is essential to do so ethically and responsibly. Here are some tips on how to access the answer keys effectively:

### **1. Enroll in the Course**

To gain access to the answer keys, students must usually enroll in the specific course they are interested in. Once enrolled, they can navigate through the course materials, which may include quizzes and their corresponding answer keys.

### **2. Use the Study.com Resources**

Study.com often provides additional resources, such as study guides and practice tests, which may include answer keys. Students should take advantage of these resources to enhance their learning experience.

### **3. Check the Course Dashboard**

After completing a quiz or assessment, students can often find the answer key in their course dashboard. This area may show the correct answers along with explanations for each question, allowing students to learn from their

mistakes.

## **Benefits of Using Study.com Answer Keys**

Utilizing answer keys from Study.com can provide numerous benefits for students. Here are some of the most significant advantages:

### **1. Enhanced Learning**

By comparing their answers with the answer key, students can identify gaps in their knowledge and focus on specific areas that need improvement. This targeted approach to studying can lead to a deeper understanding of the subject matter.

### **2. Increased Confidence**

Knowing the correct answers can boost a student's confidence, especially before exams. When students feel assured about their knowledge, they are more likely to perform well in assessments.

### **3. Time Efficiency**

Studying with the help of answer keys can save time. Instead of spending hours trying to figure out where they went wrong, students can quickly check their answers and move on to other topics that require more attention.

### **4. Encouragement of Independent Study**

Answer keys encourage students to take charge of their own learning. They can work through problems independently and check their understanding without relying solely on instructors.

## **Ethical Considerations in Using Answer Keys**

While answer keys can be extremely helpful, it is essential to use them ethically. Here are some points to consider:

## **1. Avoiding Academic Dishonesty**

Students should refrain from using answer keys to cheat on tests or assignments. Academic dishonesty can have severe consequences, including failing grades and disciplinary actions. Instead, answer keys should be used as a learning tool.

## **2. Proper Attribution**

If students use answer keys or other resources for their assignments, they must give proper credit to the original source. This practice helps maintain academic integrity and respect for the work of others.

## **3. Balancing Use**

While answer keys are beneficial, students should balance their use with other study methods. Relying solely on answer keys can lead to superficial understanding rather than in-depth learning.

## **Alternatives to Study.com Answer Keys**

Although Study.com answer keys are valuable, there are alternative resources that students can leverage for study and exam preparation:

### **1. Textbooks and Course Materials**

Traditional textbooks often provide answer keys for practice problems and exercises. These can be an excellent supplement to online resources.

### **2. Study Groups**

Collaborating with peers in study groups allows students to discuss answers and explore different perspectives on the material. This method can lead to a richer understanding of the subject.

### **3. Online Forums and Communities**

Various online forums and communities, such as Reddit or Quora, can provide insights and discussions about specific topics. Students can ask questions

and receive explanations from others who have a grasp on the material.

## **4. Tutoring Services**

If students are struggling with certain subjects, they may consider seeking help from tutoring services. Tutors can provide personalized assistance and help clarify concepts that may be confusing.

## **Conclusion**

In conclusion, the Study.com answer key is a valuable resource that can enhance students' learning experiences. By providing correct answers for various assessments, it allows students to self-assess, clarify misconceptions, and study more effectively. However, it is crucial to use answer keys ethically, ensuring that they serve as tools for learning rather than shortcuts for cheating. By balancing the use of answer keys with other study methods and resources, students can achieve a deeper understanding of their subjects and improve their academic performance. Whether through Study.com or other educational platforms, the ultimate goal should always be to foster a love for learning and a commitment to academic integrity.

## **Frequently Asked Questions**

### **What is Study.com Answer Key?**

Study.com Answer Key refers to the solutions provided for various courses and quizzes available on the Study.com platform, helping students verify their answers and understand the material better.

### **How can I access the Study.com Answer Key?**

To access the Study.com Answer Key, you need to sign up for an account on Study.com and navigate to the specific course or quiz you're interested in; answer keys are typically available within the course materials.

### **Are Study.com Answer Keys reliable?**

Yes, Study.com Answer Keys are generally considered reliable as they are created by educators and subject matter experts, ensuring accuracy in the provided solutions.

### **Can I use Study.com Answer Keys for exam**

## preparation?

Yes, Study.com Answer Keys can be a useful tool for exam preparation as they allow you to practice and check your understanding of the material before assessments.

## Do I need a subscription to access Study.com Answer Keys?

Yes, a subscription is typically required to access Study.com Answer Keys and other premium content on the platform.

## What subjects are covered by Study.com Answer Keys?

Study.com Answer Keys cover a wide range of subjects including mathematics, sciences, humanities, and test preparation courses like SAT and ACT.

## Are Study.com Answer Keys available for all courses?

Not all courses on Study.com may have answer keys available, but many of the core subjects and popular courses do provide them.

## Can I find Study.com Answer Keys for free online?

While some users may share answers online, it's recommended to use Study.com directly for accurate and comprehensive answer keys, as free sources may not be reliable or may violate copyright.

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