

slinger signaller test questions answers Ebook

slinger signaller test questions answers are an essential resource for individuals preparing to undertake the official assessments required for certification in lifting operations. These tests are designed to evaluate knowledge and understanding of safe slinging practices, signaling procedures, and relevant health and safety regulations. Whether you're an aspiring slinger signaller or a trained professional seeking to refresh your knowledge, having access to accurate test questions and answers can greatly improve your chances of success. This comprehensive guide aims to provide a detailed overview of common test questions, key concepts, and practical tips to help you prepare effectively for your slinger signaller assessment.

Understanding the Role of a Slinger Signaller

Before diving into test questions and answers, it's vital to understand what a slinger signaller does and why their role is critical on construction sites, industrial settings, and anywhere lifting operations occur.

What is a Slinger Signaller?

A slinger signaller is a trained and certified individual responsible for guiding crane operators during lifting operations. Their primary duties include:

- Ensuring loads are correctly slung and balanced
- Communicating with crane operators using standardized signals
- Assessing risks and implementing safety measures
- Supervising lifting operations to prevent accidents and injuries

The Importance of Certification

Certification verifies that a slinger signaller understands the necessary safety procedures, signaling protocols, and legal responsibilities. Passing the test is a crucial step toward obtaining a valid certification, such as the CPCS (Construction Plant Competence Scheme) or NPORS (National Plant Operator Registration Scheme).

Common Slinger Signaller Test Questions

The test typically covers a range of topics, including safety regulations, signaling techniques, load handling, and hazard identification. Below are some representative questions along with their answers and explanations.

Safety Regulations and Responsibilities

- **Q:** What is the maximum load a crane can lift if the load exceeds the crane's rated capacity?
- **A:** The crane must not lift loads exceeding its rated capacity. Always check the load chart before lifting and ensure the load is within the crane's safe working limits.
- **Q:** Who is responsible for conducting a risk assessment before lifting operations?
- **A:** The slinger signaller is responsible for conducting or ensuring a thorough risk assessment is completed before the lift begins.
- **Q:** What PPE should a slinger signaller wear during lifting operations?
- **A:** A slinger signaller should wear high-visibility clothing, safety helmet, gloves, and safety footwear. Additional PPE may include eye protection or hearing protection depending on the environment.

Signaling Procedures and Communication

- **Q:** What is the standard hand signal for 'Stop' during crane operations?
- **A:** Raise one arm vertically with the palm facing forward or make a horizontal 'cut' motion across the throat. The signal should be clear and unambiguous.
- **Q:** How should a slinger signaller communicate with the crane operator when verbal communication is not possible?
- **A:** They should use internationally recognized hand signals or radio communication systems where available.
- **Q:** Why is it important to maintain eye contact with the crane operator during signaling?
- **A:** To ensure clear understanding and prevent miscommunication that could lead to accidents.

Load Handling and Sliding Techniques

- **Q:** What should a slinger signaller check before attaching slings to a load?
- **A:** The load should be stable, properly balanced, and free of sharp edges. Slings should be in good condition, properly rated, and correctly attached to secure points.
- **Q:** How can a slinger ensure the load is balanced before lifting?
- **A:** By visually inspecting the load, using appropriate slings and lifting points, and confirming the center of gravity is correctly aligned.
- **Q:** What are the signs of a failing or damaged sling?

- **A:** Frayed ropes, broken or cracked fittings, corrosion, or any visible wear that compromises the sling's integrity.

Key Concepts Covered in the Test

Understanding the core principles behind safe lifting is fundamental for passing the test. Here are some key concepts to focus on.

Health and Safety Legislation

- The importance of complying with the Work at Height Regulations and the LOLER (Lifting Operations and Lifting Equipment Regulations) 1998.
- The duty of care owed to colleagues and the public.
- The need for proper planning and risk assessment.

Load Stability and Slings Principles

- Correct attachment points
- Use of appropriate slings and lifting gear
- Ensuring loads are securely fastened
- Understanding load weight and capacity limits

Signaling Standards and Protocols

- Recognizing and using standard signals
- Maintaining clear and consistent communication
- Knowing when to stop or slow operations

Practical Skills and Situational Awareness

- Identifying hazards
- Responding to unexpected situations
- Ensuring site safety and communication effectiveness

Tips for Preparing for the Slinger Signaller Test

Effective preparation can significantly improve your chances of success. Here are some practical

tips:

- Review official training materials and manuals related to lifting operations and signaling standards.
- Practice common hand signals and ensure you can perform them confidently and accurately.
- Familiarize yourself with the relevant legislation and safety regulations.
- Take practice tests and review questions and answers to identify areas needing improvement.
- Attend a refresher course if you feel uncertain about any topics.
- Ensure you understand the responsibilities and safety precautions associated with slinging and signaling.

Resources for Further Study

To aid your preparation, consider utilizing the following resources:

- Official training manuals provided by certification bodies like CPCS or NPORS
- Online practice test questions and quizzes
- Industry safety guidelines and best practices
- Videos demonstrating proper signaling techniques
- Attending practical training sessions or workshops

Conclusion

Preparing for the slinger signaller test requires a thorough understanding of safety procedures, signaling protocols, and load management principles. Access to accurate and comprehensive test questions and answers can help build confidence and ensure readiness for the assessment. Remember that safety is paramount in lifting operations?proper training and certification not only protect you but also your colleagues and the public. By studying diligently, practicing practical skills, and staying informed about current regulations, you can achieve success in your slinger signaller certification and contribute to safe and efficient lifting operations in your workplace.

Slinger Signaller Test Questions & Answers: A Comprehensive Guide

Embarking on a career in construction, logistics, or heavy machinery operation often requires passing specific qualification tests. One such essential assessment is the Slinger Signaller Test, which evaluates an individual?s knowledge, skills, and understanding of safe slinging and signaling practices. This guide aims to provide a thorough overview of common test questions, their answers, and the key concepts necessary to excel in the exam, ensuring safety and compliance on-site.

Understanding the Role of a Slinger Signaller

Before delving into test questions, it's important to understand the dual responsibilities of a slinger signaller:

- Slinger: Responsible for preparing and positioning loads, selecting appropriate lifting gear, and ensuring the load is safe for lifting.
- Signaller: Uses standardized signals to communicate with crane or lifting equipment operators, ensuring precise and safe movement of loads.

This dual role demands a combination of technical knowledge, communication skills, and adherence to safety protocols.

Key Topics Covered in Slinger Signaller Test Questions

The test generally covers several core areas, including:

- Legal and safety regulations
- Load assessment and planning
- Use of lifting equipment and accessories
- Signaling protocols
- Emergency procedures
- Practical knowledge of lifting operations

Below, we explore each area in detail, highlighting typical questions and their best answers.

Legal and Safety Regulations

1. What are the main legal responsibilities of a slinger/signaller?

Answer:

- Ensure all lifting operations comply with relevant legislation, such as the Health and Safety at Work Act.
- Conduct risk assessments before lifting.
- Use appropriate PPE (Personal Protective Equipment).
- Verify that lifting equipment is safe and properly maintained.
- Communicate effectively with the crane operator and other team members.

- Follow standard signaling protocols and procedures.
- Never compromise safety for speed or convenience.

2. Which organizations set standards for lifting operations?

Answer:

- The Health and Safety Executive (HSE)
- British Standards Institution (BSI), such as BS 7121 for crane safety
- The Lifting Operations and Lifting Equipment Regulations (LOLER)
- The Provision and Use of Work Equipment Regulations (PUWER)

3. What are the consequences of non-compliance with lifting regulations?

Answer:

- Legal penalties, including fines or imprisonment
- Increased risk of accidents, injuries, or fatalities
- Damage to equipment or load
- Project delays and financial losses
- Damage to reputation and potential loss of license or certification

Load Assessment and Planning

4. How do you determine the weight of a load?

Answer:

- Check the load's documentation or manufacturer's specifications.
- Use a calibrated load cell or weighing equipment if available.
- For irregular loads, estimate based on known dimensions and material density.
- Consult with the site supervisor or engineer if unsure.
- Always assume the maximum possible weight if in doubt, following the principle of safety.

5. What factors should be considered when planning a lifting operation?

Answer:

- Load weight, size, and shape
- The center of gravity of the load
- The type and capacity of lifting equipment
- The environment, including weather conditions and ground stability
- Access routes and clearance
- The presence of overhead obstructions or nearby structures
- The skill level of the lifting team
- Emergency procedures and contingency plans

6. How do you select appropriate lifting gear?

Answer:

- Match gear capacity to the load weight with a suitable safety margin.
- Use gear rated for the specific type of load (e.g., slings, chains, hooks).
- Ensure gear is in good condition, with no signs of wear, corrosion, or damage.
- Use the correct type of sling (webbing, chain, wire rope) based on load characteristics.
- Check for certification and compliance with relevant standards.
- Consider the load shape to prevent slipping or damage.

Use of Lifting Equipment and Accessories

7. What are the different types of slings, and when should each be used?

Answer:

- Webbing Slings: Suitable for light to medium loads; gentle on the load, flexible.
- Chain Slings: Ideal for heavy loads; durable and suitable for high temperatures.
- Wire Rope Slings: Good for heavy loads requiring high strength; resistant to wear.
- Round Slings: Flexible, lightweight, and easy to handle; used for various loads.

Selection depends on:

- Load weight
- Load shape and surface
- Environmental conditions (e.g., heat, chemicals)
- Required sling length and flexibility

8. How do you inspect lifting gear before use?

Answer:

- Check for visible damage such as frays, kinks, corrosion, or broken stitches.
- Ensure all tags and certification are up-to-date.
- Verify that fittings and hooks are secure, with no cracks or deformation.
- Confirm that the gear's load capacity is clearly marked.
- Test for signs of wear or deterioration.
- Remove any gear that shows signs of damage or defect from service immediately.

9. What are the safe working limits for lifting gear?

Answer:

- Always adhere to the manufacturer's rated load.
- Never exceed the indicated SWL (Safe Working Load).
- Factor in the load's center of gravity and sling angle.
- Use appropriate calculations when using slings at angles to ensure load is within safe limits.
- Remember that the SWL is based on the weakest part of the gear or setup.

Signaling Protocols and Communication

10. What are the standard hand signals used by a slinger signaller?

Answer:

- Stop: Arm extended horizontally, palm facing the operator.
- Raise the load: Arm pointing upward, palm facing forward.
- Lower the load: Arm pointing downward, palm facing downward.
- Move the load horizontally: Arm extended straight out, moving left or right.
- Swing the load: Arm moving in a circular motion.
- Emergency stop: Both arms raised overhead.

Note: Always use standardized signals recognized across the industry, and ensure clear visibility and understanding.

11. How should signals be communicated during lifting operations?

Answer:

- Use clear, concise, and standardized hand signals.
- Confirm signals with the crane operator before lifting.
- Maintain eye contact and positional awareness.
- Use radios or other communication devices if necessary, especially in noisy environments.
- Ensure all team members understand the signaling protocol before starting.

12. What precautions should be taken when signaling in poor visibility conditions?

Answer:

- Use high-visibility clothing and signals.
- Employ illuminated or reflective hand signals.
- Use radios or other electronic communication devices.
- Position a spotter to assist with clear communication.
- Stop operations if signals cannot be clearly seen or understood.

Emergency Procedures and Safety Measures

13. What should a slinger signaller do in case of an emergency?

Answer:

- Immediately stop the lift using the emergency stop signals.
- Notify all team members and the crane operator.
- Ensure the load is secured and stabilized.
- Evacuate the area if necessary.
- Follow site-specific emergency protocols.
- Report the incident to site management for investigation.

14. How do you ensure the safety of personnel during lifting operations?

Answer:

- Conduct thorough risk assessments before starting.

- Use appropriate PPE at all times.
- Maintain a safe distance from the load and lifting equipment.
- Keep clear of the load's path and overhead hazards.
- Ensure all equipment is inspected and in good condition.
- Communicate effectively with team members.
- Follow standard operating procedures and safety protocols.

Practical Knowledge and Best Practices

15. What are common causes of lifting accidents, and how can they be prevented?

Answer:

- Overloading: Use proper calculations and equipment ratings.
- Poor equipment condition: Regular inspections and maintenance.
- Inadequate training: Proper training and certification.
- Miscommunication: Use standardized signals and clear communication.
- Unstable loads: Proper load assessment and securing.
- Environmental hazards: Assess weather and ground conditions regularly.

Prevention strategies include:

- Regular training and refresher courses.
- Strict adherence to safety procedures.
- Clear planning and risk assessments.
- Use of suitable equipment and accessories.
- Maintaining a safety-minded culture on-site.

Additional Tips for Passing the Slinger Signaller Test

- Study the official manuals and industry standards.
- Practice signaling techniques with visual aids or on-site exercises.
- Familiarize yourself with equipment types and inspection routines.
- Understand legislation and safety regulations relevant to your region.
- Participate in mock tests to reinforce knowledge and build confidence.
- Maintain a safety-first attitude in all operations.

Conclusion

Mastering the Slinger Signaller Test Questions & Answers requires a comprehensive understanding of safety protocols, equipment, signaling, and legal responsibilities. This role is critical in ensuring safe and efficient lifting operations

QuestionAnswer What is the purpose of the Slinger Signaller test? The test assesses a candidate's knowledge of safe slinging and signalling procedures to ensure safe lifting operations. What are the key responsibilities of a Slinger Signaller? They are responsible for inspecting lifting equipment, signalling crane operators, and ensuring lifting operations are carried out safely and efficiently. Which signals are commonly used by Slinger Signallers during lifting operations? Common signals include stop, move up, move down, extend, and retract, often communicated via standardized hand signals or radio communication. What should you check before giving signals during a lift? You should verify the load's weight, ensure the area is clear, inspect lifting gear, and confirm the crane's position and readiness. How do you identify a qualified Slinger Signaller candidate during the test? By their knowledge of lifting regulations, proper signalling techniques, understanding of equipment, and adherence to safety procedures. What are the common hazards associated with slinging and signalling? Hazards include load falling, swinging loads, equipment failure, and miscommunication leading to accidents. What is the correct procedure if you notice a safety concern during a lift? Immediately halt the operation, communicate the concern to the crane operator, and ensure the issue is resolved before proceeding. What are the essentials of effective communication for Slinger Signallers? Clear, concise signals, proper use of standardized hand signals or radios, and confirming understanding before proceeding. How does the Slinger Signaller test ensure compliance with safety standards? By testing knowledge on safety regulations, proper signalling techniques, equipment inspection, and emergency procedures. What training or qualifications are typically required to pass the Slinger Signaller test? Completion of recognized training courses, practical experience, and certification in slinging and signalling safety procedures.

Related keywords: slinger signaller test, signaller qualification questions, lifting operations assessment, crane signaling test, rigging and signaling exam, slinger signaller training, lifting safety quiz, crane operators test answers, signaling procedures questions, equipment safety assessment

Scipad biology answers

scipad biology answers are essential tools for students and educators seeking to excel in biology coursework and assessments. Scipad, a popular digital learning platform, offers a variety of resources, including practice questions, quizzes, and detailed answer explanations that aid in mastering complex biological concepts. This article provides a comprehensive overview of scipad

biology answers, their importance, how to utilize them effectively, and tips for maximizing learning outcomes.

Understanding Scipad Biology Answers

What Are Scipad Biology Answers?

Scipad biology answers are the solutions and explanations provided for questions found within the Scipad platform's biology modules. These answers are carefully curated by educators and subject matter experts to ensure accuracy and clarity. They serve as a valuable reference for students to verify their responses, understand the reasoning behind correct answers, and reinforce their learning.

The Role of Scipad Biology Answers in Learning

Using scipad biology answers enhances the learning experience by:

- Providing immediate feedback on practice questions
- Clarifying complex biological processes and terminology
- Helping students identify areas that need improvement
- Facilitating self-paced learning outside the classroom
- Preparing effectively for exams and quizzes

Benefits of Using Scipad Biology Answers

1. Accurate and Reliable Content

One of the primary advantages of scipad biology answers is their accuracy. Developed by qualified educators, these answers are aligned with current biology curricula and standards, ensuring students receive trustworthy information.

2. Enhanced Understanding of Concepts

Detailed explanations accompanying answers help students grasp underlying biological principles, promoting deeper understanding beyond rote memorization.

3. Time-Efficient Study Sessions

Quick access to correct answers allows students to assess their performance swiftly, enabling more efficient review sessions.

4. Support for Different Learning Styles

Whether visual, auditory, or kinesthetic learners, students can benefit from diverse explanations and interactive content available through scipad.

How to Effectively Use Scipad Biology Answers

1. Attempt Questions First

Before consulting the answers, attempt to solve questions independently. This practice encourages critical thinking and problem-solving skills.

2. Review Correct Answers Carefully

After completing questions, compare your responses with the provided answers. Pay attention to explanations to understand why certain options are correct or incorrect.

3. Focus on Explanation Details

Go beyond the correct answer and study the detailed breakdowns. This will deepen your comprehension of biological concepts and processes.

4. Use Answers as Learning Tools

Instead of passively copying answers, use them as learning tools to explore related topics, clarify doubts, and reinforce your knowledge.

5. Incorporate Practice Tests

Regularly use scipad biology practice tests with answers to simulate exam conditions and build confidence.

Tips for Maximizing the Benefits of Scipad Biology Answers

1. Create a Study Schedule

Consistency is key. Dedicate specific times for practicing with scipad resources, ensuring steady progress.

2. Take Notes While Reviewing Answers

Summarize explanations in your own words, which aids retention and understanding.

3. Engage with Interactive Features

Leverage interactive diagrams, videos, and quizzes available on scipad to diversify your learning methods.

4. Clarify Doubts Promptly

If certain answers or explanations are unclear, seek help from teachers or online forums to ensure comprehension.

5. Track Your Progress

Maintain a record of questions answered and concepts mastered to identify strengths and areas needing improvement.

Common Topics Covered by Scipad Biology Answers

Scipad biology answers span a wide range of topics, reflecting the diverse curriculum of biology courses. Some of the most common areas include:

- Cell Structure and Function
- Genetics and Heredity
- Evolution and Natural Selection
- Human Anatomy and Physiology
- Plant Biology and Photosynthesis
- Microorganisms and Diseases
- Ecology and Environment
- Biological Processes and Cycles

Each topic has associated practice questions with detailed answers, enabling comprehensive review and mastery.

Challenges and Considerations When Using Scipad Answers

1. Dependence on Answers

While answers are valuable, over-reliance can hinder the development of problem-solving skills. It's important to attempt questions independently first.

2. Ensuring Up-to-Date Content

Biology is an evolving science. Ensure that the scipad content is current and aligns with the latest curriculum standards.

3. Verifying Correctness

Occasionally, errors might occur. Cross-reference answers with textbooks or trusted online resources for confirmation.

Conclusion

In summary, scipad biology answers are a powerful resource for students aiming to excel in biology. They provide accurate, detailed explanations that foster understanding, support effective revision, and boost exam readiness. By integrating scipad answers into a structured study plan, students can enhance their grasp of biological concepts, develop critical thinking skills, and achieve academic success. Remember to use these answers as a supplement to active learning strategies, ensuring a well-rounded and effective approach to mastering biology.

Scipad Biology Answers: A Comprehensive Guide to Mastering Scipad's Resources

In the realm of biology education, students constantly seek effective tools to enhance their understanding and retention of complex concepts. Among these tools, Scipad Biology Answers stand out as a vital resource for learners aiming to excel in their studies. Whether you're preparing for exams, revising key topics, or seeking clarification on challenging concepts, accessing accurate and detailed answers from Scipad can make a significant difference. This guide aims to explore the importance of Scipad Biology answers, how to utilize them effectively, and tips for maximizing their benefits to foster a deeper comprehension of biological sciences.

Understanding Scipad and Its Role in Biology Education

What is Scipad?

Scipad is an educational platform designed to offer comprehensive resources for students across various subjects, with a strong focus on biology. It provides a wide range of study materials, including notes, quizzes, and most notably, detailed answers to textbook exercises and questions. These answers are curated to align with curriculum standards, making them reliable tools for learning and revision.

Why Are Scipad Biology Answers Important?

- Clarify Difficult Concepts: They help break down complex biological processes into understandable explanations.
- Aid in Exam Preparation: Well-structured answers serve as excellent revision tools for exams.
- Ensure Accuracy: Reliable answers minimize misunderstandings that could arise from incorrect or incomplete information.
- Enhance Critical Thinking: Comparing your answers with Scipad?s encourages analytical thinking and self-assessment.

How to Effectively Use Scipad Biology Answers

Maximizing the benefits of Scipad answers involves more than just reading. It's about strategic engagement to deepen understanding and develop exam skills.

Step 1: Use Answers as a Learning Tool, Not Just a Shortcut

While it might be tempting to copy answers directly, the true value lies in understanding the reasoning behind each response.

- Read Carefully: Analyze the explanations provided.
- Identify Key Points: Highlight essential concepts, definitions, and processes.
- Compare Your Work: Assess where your answers align or differ, and understand why.

Step 2: Practice Active Learning

- Attempt Questions First: Before consulting the answers, try solving questions independently.
- Use Answers to Check and Correct: After attempting, compare with Scipad?s solutions to identify gaps in knowledge.
- Rewrite or Summarize: Paraphrase answers to reinforce comprehension.

Step 3: Incorporate into Study Routines

- Regular Revision: Use answers to review topics periodically.
- Focused Study Sessions: Target areas where your answers and Scipad?s diverge.
- Create Summaries: Develop concise notes based on detailed answers to aid quick revision.

Navigating Common Challenges with Scipad Biology Answers

While Scipad offers valuable resources, users may encounter some challenges. Here are common

issues and strategies to overcome them:

Challenge 1: Over-Reliance on Answers

Solution: Use answers as a guide rather than a crutch. Always aim to understand the why behind each response.

Challenge 2: Outdated or Incomplete Answers

Solution: Cross-reference answers with textbooks, class notes, or reputable online resources to ensure accuracy and completeness.

Challenge 3: Difficulty in Understanding Explanations

Solution: Break down complex explanations into simpler parts, and seek additional resources or videos for clarification.

Best Practices for Using Scipad Biology Answers Effectively

To truly benefit from Scipad, students should adopt best practices, including:

- Active Engagement: Don't passively read answers; interact with them.
- Contextual Learning: Relate answers to real-life examples or practical applications for better retention.
- Question Development: Use answers to generate your own questions for further exploration.
- Group Study: Discuss answers with peers to gain different perspectives and deepen understanding.

Enhancing Learning with Supplementary Resources

While Scipad answers are valuable, supplement your study with other resources:

- Biology Textbooks: For detailed explanations and diagrams.
- Online Tutorials and Videos: Platforms like Khan Academy or YouTube channels specializing in biology.
- Practice Tests: To simulate exam conditions and test your knowledge.
- Flashcards: For memorizing definitions, processes, and terminology.

Ethical Use and Academic Integrity

While leveraging Scipad biology answers can be highly beneficial, it's crucial to uphold academic integrity:

- Avoid Plagiarism: Use answers for learning, not for submitting as your own work.
- Develop Your Own Responses: Use answered questions to guide your understanding and craft original responses.
- Cite Resources: When referencing information from Scipad, give appropriate acknowledgment if required.

Final Thoughts: Mastering Biology with Scipad Answers

Scipad Biology Answers are an invaluable resource for students striving to excel in their biological sciences coursework. They serve as guides, clarifiers, and confidence boosters when used correctly. Remember, the goal is not just to memorize answers but to develop a genuine understanding of biology's fundamental principles. By integrating Scipad answers into a strategic study plan, complemented with other resources, active learning techniques, and ethical practices, you can unlock your full potential and achieve academic success in biology. Embrace these answers as stepping stones towards mastery, and let them inspire curiosity and a lifelong passion for understanding the living world.

Question What is Scipad Biology and how can it help students? Scipad Biology is an educational resource that provides concise summaries and answers to biology topics, helping students prepare for exams and understand complex concepts more easily. **Where can I find accurate Scipad Biology answers for my coursework?** You can find accurate Scipad Biology answers on official educational websites, authorized study guides, or through reputable online platforms that offer verified solutions and explanations. **How do I effectively use Scipad Biology answers for exam preparation?** Use Scipad Biology answers as a supplement to your study materials by reviewing concepts, practicing questions, and ensuring you understand the explanations to reinforce your learning. **Are Scipad Biology answers suitable for all grade levels?** Yes, Scipad Biology offers content tailored for various grade levels, from secondary education to college, making it a versatile resource for different learners. **Can I rely solely on Scipad Biology answers for my exams?** While Scipad Biology answers are helpful, it's best to use them alongside textbooks, class notes, and practical exercises to achieve a comprehensive understanding of the subject. **What are the common topics covered in Scipad Biology answers?** Common topics include cell biology, genetics, ecology, human anatomy, plant biology, and evolution, among others, all explained in a simplified and accessible manner.

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