

Kentucky Registered Environmental Health Specialist (REHS) Practice Test (Sample)

Study Guide



Everything you need from our exam experts!

Copyright © 2025 by Examzify - A Kaluba Technologies Inc. product.

ALL RIGHTS RESERVED.

No part of this book may be reproduced or transferred in any form or by any means, graphic, electronic, or mechanical, including photocopying, recording, web distribution, taping, or by any information storage retrieval system, without the written permission of the author.

Notice: Examzify makes every reasonable effort to obtain from reliable sources accurate, complete, and timely information about this product.

SAMPLE

Questions

- 1. What is the requirement for receiving hot food?**
 - A. They must be received at 125 F or higher**
 - B. They must be received at 130 F or higher**
 - C. They must be received at 135 F or higher**
 - D. They must be received at 140 F or higher**
- 2. What is a goal of water treatment practices in ensuring consumer safety?**
 - A. Increase operational costs**
 - B. Promote better taste in water**
 - C. Ensure the safety of the water supply**
 - D. Reduce the need for water conservation**
- 3. What is the purpose of litigation?**
 - A. To negotiate settlements out of court**
 - B. To enforce regulatory compliance**
 - C. To settle disputes in a court of law**
 - D. To draft legislation**
- 4. What does SDS stand for in the context of chemical safety?**
 - A. Safety data sheets**
 - B. Standard delivery sheets**
 - C. Safety determination systems**
 - D. Substance declaration sheets**
- 5. A characteristic disadvantage of bored wells is:**
 - A. Their large diameter**
 - B. Their susceptibility to pollution**
 - C. Their excessive depth**
 - D. Their high yield of water**
- 6. A chlorinator should have the capacity to provide at least how much free chlorine residual?**
 - A. 1 mg/l**
 - B. 2 mg/l**
 - C. 3 mg/l**
 - D. 5 mg/l**

- 7. Which of the following defines the growth optima for thermophilic microorganisms?**
- A. Above 50°F**
 - B. Above 113°F**
 - C. Above 133°F**
 - D. Above 150°F**
- 8. What effect does adding sodium Bisulfate have on pool water?**
- A. Raises the alkalinity**
 - B. Increases the free chlorine level**
 - C. Decreases the pH level**
 - D. Stabilizes the chlorine**
- 9. Which agent is defined as one that destroys or eliminates all forms of microbial life?**
- A. Disinfectant**
 - B. Sanitizer**
 - C. Sterilant**
 - D. Antiseptic**
- 10. What is a pathogen?**
- A. A non-infectious agent**
 - B. An infectious agent capable of causing disease**
 - C. A treatment protocol for infections**
 - D. An environmental health hazard**

Answers

SAMPLE

1. C
2. C
3. C
4. A
5. B
6. B
7. C
8. C
9. C
10. B

SAMPLE

Explanations

SAMPLE

1. What is the requirement for receiving hot food?

- A. They must be received at 125 F or higher
- B. They must be received at 130 F or higher
- C. They must be received at 135 F or higher**
- D. They must be received at 140 F or higher

Hot food must be received at a temperature of 135°F or higher to ensure safety and quality. This guideline is based on food safety standards which state that food must be kept out of the temperature danger zone, which is typically between 41°F and 135°F. At temperatures lower than 135°F, there is a higher risk of bacterial growth, which can lead to foodborne illnesses. Receiving hot food at this temperature helps in maintaining its safety upon delivery and minimizes the risk of pathogens thriving in the food before it is served. It also helps in preserving the quality and palatability of the food, ensuring that it is served as intended.

2. What is a goal of water treatment practices in ensuring consumer safety?

- A. Increase operational costs
- B. Promote better taste in water
- C. Ensure the safety of the water supply**
- D. Reduce the need for water conservation

One of the primary goals of water treatment practices is to ensure the safety of the water supply. This involves the removal or inactivation of harmful microorganisms, chemicals, and pollutants that could pose health risks to consumers. Water treatment processes like filtration, disinfection, and chemical treatment are specifically designed to produce clean and safe drinking water that meets public health standards. This ensures that the water is free from contaminants that can lead to waterborne diseases and other health issues, thereby protecting the well-being of the population. Ensuring water safety supports the overall public health framework and fosters trust in municipal water systems.

3. What is the purpose of litigation?

- A. To negotiate settlements out of court
- B. To enforce regulatory compliance
- C. To settle disputes in a court of law**
- D. To draft legislation

The purpose of litigation is fundamentally to settle disputes in a court of law. Litigation involves the process of taking a case through the judicial system, where a judge or jury makes a determination regarding the legal issues at hand. This process typically arises when parties involved in a disagreement cannot reach a resolution through negotiation or other means. Litigation provides a formal framework for presenting evidence, making legal arguments, and adhering to rules of procedure, ensuring that the dispute is handled in a fair and consistent manner. The outcome of litigation, which can include a verdict, ruling, or settlement approved by the court, provides a legally binding resolution to the issues presented. The other choices involve aspects of the broader legal system but do not encapsulate the primary aim of litigation specifically. Negotiating settlements out of court relates more to alternative dispute resolution methods. Enforcing regulatory compliance is generally a function of regulatory agencies rather than a direct result of a court decision. Drafting legislation pertains to the creation of law, which is distinct from the resolution of specific disputes that litigation addresses.

4. What does SDS stand for in the context of chemical safety?

- A. Safety data sheets**
- B. Standard delivery sheets**
- C. Safety determination systems**
- D. Substance declaration sheets**

In the context of chemical safety, SDS stands for Safety Data Sheets. These sheets are critical documents that provide detailed information about the properties of a chemical substance, including its hazards, handling and storage requirements, first aid measures, and the proper procedures for disposal. They are designed to communicate the risks associated with chemicals and guide safe usage in various environments, particularly workplaces. SDS are essential for ensuring compliance with regulatory requirements, such as those set by OSHA (Occupational Safety and Health Administration) in the U.S., which mandates that employers maintain SDS for all hazardous substances used in the workplace. By providing essential safety and health information, SDS help prevent accidents, injuries, and health issues related to chemical exposure. This understanding plays a significant role in promoting safety and ensuring that employees are well-informed about the materials they are handling. In contrast, the other options do not refer to established safety standards or practices relevant to chemical safety. Standard delivery sheets, safety determination systems, and substance declaration sheets do not capture the comprehensive safety, handling, and hazardous properties information that SDS offer.

5. A characteristic disadvantage of bored wells is:

- A. Their large diameter**
- B. Their susceptibility to pollution**
- C. Their excessive depth**
- D. Their high yield of water**

Bored wells are typically dug using a large-diameter drill and can be vulnerable to surface contamination. Their design means that they often do not produce a protective seal against pollutants that can seep down through the soil and groundwater. The large diameter allows for more surface water and contaminants to enter the well, significantly increasing the risk of pollution compared to deeper wells that have better geological barriers. This susceptibility to pollution is a major concern for public health and safety regarding drinking water supplies. In contrast, while factors like a large diameter (which allows for easier access to water) and excessive depth might seem to raise concerns, they are not characteristic disadvantages. The high yield of water can also be advantageous rather than detrimental; many well designs aim to maximize water yield for efficiency. Hence, the primary drawback remains the potential for contamination, which makes option B the most fitting answer.

6. A chlorinator should have the capacity to provide at least how much free chlorine residual?

- A. 1 mg/l**
- B. 2 mg/l**
- C. 3 mg/l**
- D. 5 mg/l**

The correct choice for the capacity of a chlorinator to provide at least 2 mg/l of free chlorine residual aligns with established public health and safety standards for water disinfection. A free chlorine residual of this level is essential for ensuring that pathogens are effectively inactivated in drinking water. It provides a sufficient buffer against potential contamination that could occur after the initial treatment phase, maintaining water quality as it moves through distribution systems to consumers. Free chlorine serves not only to disinfect water but also acts as a residual agent to protect water quality from recontamination. Levels below 2 mg/l may not offer a robust defense, particularly in systems where recontamination risks exist. This level is particularly significant in situations where there may be increased demands on chlorine, such as higher levels of organic material or bacterial contamination in the water supply. Selecting a residual of 2 mg/l balances effective disinfectant properties while not being excessively high, which could lead to taste and odor issues or chlorination byproducts that may pose health risks. Thus, maintaining this minimum residual level is a critical practice for ensuring safe and reliable drinking water.

7. Which of the following defines the growth optima for thermophilic microorganisms?

- A. Above 50°F**
- B. Above 113°F**
- C. Above 133°F**
- D. Above 150°F**

The growth optima for thermophilic microorganisms are best defined as temperatures above 133°F. Thermophiles are a specific group of organisms that thrive at elevated temperatures, typically in the range of 113°F to 250°F. However, the peak growth rates and metabolic activities for these organisms are generally observed above 133°F. This range is fundamental in various biological and industrial processes, such as composting and certain biotechnological applications, where thermophiles play a crucial role in breaking down organic materials at high temperatures. Choosing the answer that specifies above 133°F accurately captures the temperature range where these microorganisms exhibit optimal growth and activity.

8. What effect does adding sodium Bisulfate have on pool water?

- A. Raises the alkalinity**
- B. Increases the free chlorine level**
- C. Decreases the pH level**
- D. Stabilizes the chlorine**

Adding sodium bisulfate to pool water is commonly done to decrease the pH level. This compound acts as a pH reducer and is often utilized in pool maintenance to address high pH levels that can lead to various water quality issues such as scaling and discomfort for swimmers. When sodium bisulfate is introduced into the pool, it dissociates in water, releasing hydrogen ions, which contribute to a lower pH. A balanced pH is crucial for effective chlorine sanitization, swimmer comfort, and the longevity of pool equipment. Maintaining appropriate pH levels ensures that the chlorine used in the pool effectively kills pathogens and keeps the water safe for swimming. In the context of pool chemistry, stabilizing chlorine and adjusting alkalinity are also important considerations, but they pertain to different compounds or processes. For instance, stabilizers like cyanuric acid are used to provide protection to chlorine from degradation by sunlight, while sodium bicarbonate (not sodium bisulfate) is typically added to raise alkalinity. Thus, the role of sodium bisulfate specifically correlates with decreasing the pH level, making it the right choice for this question.

9. Which agent is defined as one that destroys or eliminates all forms of microbial life?

- A. Disinfectant**
- B. Sanitizer**
- C. Sterilant**
- D. Antiseptic**

The designated agent that can destroy or eliminate all forms of microbial life is known as a sterilant. This classification includes not only bacteria and viruses but also spores, which are the most resistant forms of microbial life. Sterilization is essential in settings where complete eradication of microbes is necessary, particularly in medical and laboratory environments. In contrast, a disinfectant primarily reduces the number of pathogenic organisms to a level considered safe, but it may not eliminate all spores. Similarly, a sanitizer reduces the bacterial count to safe levels but is typically not effective against spores. An antiseptic, on the other hand, is used on living tissues to inhibit the growth of microorganisms but does not achieve complete sterilization. Thus, the definition of a sterilant encompasses the complete destruction of all microbial forms, making it the most appropriate choice in this context.

10. What is a pathogen?

- A. A non-infectious agent
- B. An infectious agent capable of causing disease**
- C. A treatment protocol for infections
- D. An environmental health hazard

A pathogen is specifically defined as an infectious agent capable of causing disease in a host. This can include various types of microorganisms such as bacteria, viruses, fungi, and parasites. The fundamental characteristic that distinguishes a pathogen is its ability to invade a living organism and provoke an immune response that often leads to illness. The other options do not accurately capture the essence of what a pathogen is. For example, a non-infectious agent does not cause disease, and therefore cannot be classified as a pathogen. Similarly, a treatment protocol for infections refers to treatments designed to combat pathogens rather than being a pathogen itself. An environmental health hazard encompasses a broader range of factors that can affect health, which may or may not include pathogens specifically. Hence, the focus on the infectious nature and disease-causing potential solidifies why the correct identification of a pathogen is as an infectious agent capable of causing disease.