

SCIENCE SAMPLE QUESTIONS AND ANSWER QUIZ BEE GRADE 4

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Science Sample Questions and Answer Quiz Bee for Grade 4

Paragraph 1:

1. What is the name of the force that pulls objects towards the center of the Earth? **Answer: Gravity**
2. What do we call a solid that can flow easily, like honey? **Answer: Liquid**
3. What is the name of the process by which plants use sunlight to make food?
Answer: Photosynthesis

Paragraph 2:

1. What are the three states of matter? **Answer: Solid, Liquid, Gas**
2. What is the difference between a conductor and an insulator? **Answer: Conductors allow electricity to flow, while insulators do not**
3. What is the symbol for the chemical element oxygen? **Answer: O**

Paragraph 3:

1. What is the name of the scientist who discovered the law of gravity? **Answer: Isaac Newton**
2. What is the name of the planet we live on? **Answer: Earth**
3. What is the name of the brightest star in the night sky? **Answer: Sirius**

Paragraph 4:

1. What is the difference between a vertebrate and an invertebrate? **Answer: Vertebrates have a backbone, while invertebrates do not**
2. What is the name of the largest ocean on Earth? **Answer: Pacific Ocean**
3. What is the name of the instrument used to measure temperature? **Answer: Thermometer**

Paragraph 5:

1. What is the process by which rocks are broken down into smaller pieces?
Answer: Erosion
2. What is the name of the layer of gases surrounding the Earth? **Answer: Atmosphere**
3. What is the name of the largest animal on Earth? **Answer: Blue whale**

Tokyo: A Certain Style

Tokyo, the bustling capital of Japan, is a vibrant metropolis renowned for its unique and eclectic style. From its towering skyscrapers to its charming traditional neighborhoods, Tokyo boasts a diverse array of architectural and fashion aesthetics.

Q: What are some of the key characteristics of Tokyo's architectural style?

A: Tokyo's architecture is a blend of modern and traditional elements. The city is home to iconic skyscrapers like the Tokyo Skytree and the Tokyo Tower, which symbolize its technological advancements. However, it also preserves historic structures such as the Senso-ji temple and the Tokyo Imperial Palace, reminding visitors of its rich cultural heritage.

Q: How has Japanese fashion influenced Tokyo's style?

A: Japanese fashion is known for its creativity and innovation. Tokyo is a major fashion hub, and its streets are filled with people showcasing their unique outfits. From the bold and colorful Harajuku fashion to the minimalist and sophisticated looks of Shibuya, Tokyo offers a wide range of styles to cater to diverse tastes.

Q: What are some popular tourist destinations in Tokyo that showcase its unique style?

A: Tokyo offers a plethora of attractions that highlight its distinct aesthetic. The Akihabara district, known as "Electric Town," is a paradise for tech enthusiasts and anime lovers. The Ghibli Museum, designed by Studio Ghibli's renowned animator Hayao Miyazaki, is a whimsical and enchanting destination. And of course, no trip to Tokyo is complete without a visit to the Sensō-ji temple, one of the city's oldest and most significant religious sites.

Q: How can visitors experience the authentic Tokyo style?

A: To truly immerse oneself in Tokyo's style, it's recommended to explore the city's many neighborhoods. Each district has its own unique character, from the trendy streets of Ginza to the bohemian atmosphere of Koenji. Attending local festivals and events, such as the Sanja Matsuri and the Tokyo Girls Collection fashion show, can also provide a glimpse into the city's vibrant culture.

Q: What are some tips for incorporating Tokyo style into one's own wardrobe or home décor?

A: Tokyo style can be incorporated into a wardrobe or home décor by embracing bold colors, geometric patterns, and unique accessories. For clothing, consider layering kimono-inspired pieces with contemporary items. In home décor, incorporate traditional Japanese elements like tatami mats or shoji screens alongside modern furniture. By blending the past with the present, one can create a space that captures the essence of Tokyo's inimitable style.

How do you practice wilderness survival?

Why are survival skills important in the wilderness? Outdoor skills like tracking, foraging, and shelter-building allow you to interact with the ecosystem in a meaningful way. Outdoor survival skills foster self-sufficiency and independence. When you learn how to start a fire or build a shelter from natural materials, you become less reliant on modern conveniences.

What are the 5 Ws of wilderness survival? There are five important factors of wilderness survival to take into account to stay safe and stay comfortable. The five factors include: wind, water, widowmakers, wood, and wildlife. These factors are referred to as the "5 W's."

What is the strongest survival skill? Fire is the king of survival techniques! Fire can purify water, cook food, signal rescuers, provide warmth, light, and comfort. It can also help keep predators at a distance and can be a most welcome friend and companion. As a survival technique, it is one that is essential.

What are 5 things you need to survive in the wilderness? Carry Essential Supplies: Pack a small survival kit containing water, food, flashlights (more than one), a first aid kit, multi-tool, an emergency or "space" blanket, and a whistle.

What are the five rules of survival?

Why are the 5 basic survival needs important? Physiological Needs Food, water, clothing, sleep, and shelter are the bare necessities for anyone's survival. For many people, these basic needs can not be met without the aid of charitable organizations. A reliable place to receive a meal can be what's needed for a person to focus on obtaining higher needs.

What are the 7 priorities of wilderness survival? The seven priorities include positive mental attitude, wilderness first aid, shelter, fire craft, signaling, water, and food. Survival 101 will take you through these priorities over the course of two days and one night.

What are the 5 values of wilderness?

What is requirement 5 for wilderness survival? 5. Put together a personal survival kit and be able to explain how each item in it could be useful.

How to attract attention in the wilderness? Suitable items are mirrors (even a polished belt buckle has been used as a successful signalling device), a torch, a camera flash, a whistle (you can make a loud noise by placing a leaf of broad grass between your thumbs to act as a reed and blowing).

How to survive in the wilderness guide?

What are the 5 most important things for survival? The 5 survival skills every mountain athlete should master include building shelter, starting a fire, procuring food and drinkable water, foundational first-aid, and signaling for help. While there

are many useful skills to aid you in survival, these 5 are essential to short-term and long-term safety.

What are the top 10 items for survival in the wilderness? The 10 Essentials - The 10 essentials are navigation tools, a headlamp, sun protection, first aid kit, knife, fire, shelter, extra food, extra water, and extra clothes. Group First Aid Kit - Our guides carry a comprehensive first aid kit, but you are welcome to bring any personal first aid-items that you prefer.

Should you find water or shelter first? Addressing what your body needs first will help make subsequent tasks more effective in preserving energy. Again, each situation is different and this order isn't definitive. Yet often the first thing you might need in a survival situation is shelter to protect you. Then you'll need a form of hydration, and then food.

What are 10 items in a survival kit?

What are the 5 C's of survival? And it may be hard to narrow down what you need and do not need. To know which pieces of equipment to take with you in any survival situation, most experts will recommend the 5 C's of Survival: cutting, combustion, cover, containers, and cordage.

What is the 3 3 3 rule survival? 3 minutes without breathing (asphyxiation, blood loss) 3 hours without shelter in an extreme environment (exposure) 3 days without water (dehydration) 3 weeks without food (starvation)

What is the longest someone has lived without water? Claude Piantadosi of North Carolina's Duke University says 100 hours is around the limit. The world record for the longest survival time without water and food is 18 days, achieved by an 18-year-old man in Austria who was accidentally locked in a government facility in 1979.

How long can a human last without shelter? In extreme conditions, a human can survive three minutes without air, three hours without shelter, three days without water, and three weeks without food. Your body has certain physiological needs that are required for survival.

What does a human need to be happy?

What do humans need to thrive? Physical and mental well-being starts with access to fresh air and water, nutritious food, and a stable home. People also need healthy relationships — with freedom to express their gender and sexuality — and a life free from violence, injury, and toxic stress.

How to survive being in the wilderness?

How to train to be a survivalist?

How do you teach kids wilderness survival?

What is the difference between wilderness survival and bushcraft? Survival tends to focus on the key things you need to do in order to stay alive. Bushcraft tends to focus on the skills of living in the wilderness using natural materials and traditional methods.

What is the rule of 5 survival? The 5 survival skills every mountain athlete should master include building shelter, starting a fire, procuring food and drinkable water, foundational first-aid, and signaling for help. While there are many useful skills to aid you in survival, these 5 are essential to short-term and long-term safety.

How long can you realistically survive in the wilderness? The general consensus is that people can survive for around three days without water, with estimates typically ranging from two days to a week. Wilderness guides often refer to the “rule of 3”, which says that a person can live for 3 minutes without air (oxygen), 3 days without water, and 3 weeks without food.

What are 5 things you need to survive in the wilderness? Carry Essential Supplies: Pack a small survival kit containing water, food, flashlights (more than one), a first aid kit, multi-tool, an emergency or “space” blanket, and a whistle.

What is the survivalist rule of 3? In general, the human can survive for: 3 minutes without breathing (asphyxiation, blood loss) 3 hours without shelter in an extreme environment (exposure) 3 days without water (dehydration)

What animal is the best survivalist?

What is the mindset of a survivalist? A survival mindset involves being in a heightened state where you're only able to focus on what's immediately in front of you, or "chasing that dollar or that minute that you can't seem to catch." A survival mindset is easy to fall into — especially during busy periods in your career when there are clearly defined ...

What are the rules of survival in the wilderness? The Rule of 3s It states: "We can survive three minutes without oxygen (or in icy water), three hours without shelter, three days without water, and three weeks without food." Knowing this, we can align our priorities to first address life-threatening conditions.

How do you make a wilderness survival kit?

What is the stop method in wilderness survival?

What are the most essential bushcraft skills? But this isn't quite what it's all about. Put very simply, bushcraft is a set of skills and knowledge that can be used to survive in the outdoors. Building a shelter, creating a fire, foraging for food and collecting water are all essential bushcraft skills.

Is bushcraft a hobby? Though it is no longer necessary to hone one's wilderness survival skills, much enjoyment can be taken from practicing bushcraft as a hobby.

How do I teach myself bushcraft?

Split Air Conditioning Repair Guide: Common Questions and Answers

Split air conditioners provide efficient and convenient cooling for homes and businesses. However, like any appliance, they can occasionally encounter problems. Here's a guide to help you troubleshoot and repair common issues:

1. Why is my AC not cooling?

- **Check the thermostat:** Ensure it's set to "cool" mode and the temperature is below the current room temperature.
- **Inspect the air filter:** A dirty filter can restrict airflow, reducing cooling efficiency. Replace it if necessary.

- **Examine the outdoor unit:** Make sure it's free of debris, corrosion, or obstructions. Clean it if needed.

2. Why is my AC making noise?

- **Loose parts:** Check the unit for any loose bolts or screws. Tighten them if necessary.
- **Dirty fan blade:** Accumulation of dirt and debris can cause the fan blade to wobble, creating noise. Clean it thoroughly.
- **Refrigerant leak:** A refrigerant leak can lead to a hissing or bubbling sound. Contact a qualified technician to repair it promptly.

3. Why is my AC leaking water?

- **Clogged drain line:** The drain line can become clogged with dirt or algae, preventing water from draining properly. Clear the blockage using a wet/dry vacuum.
- **Damaged drain pan:** The drain pan may be cracked or rusted, causing water to leak. Replace it if necessary.
- **Evaporator coil leak:** A leak in the evaporator coil can also result in water leaks. This requires professional repair.

4. Why is my AC not turning on?

- **Tripped circuit breaker:** Check the electrical panel and reset the circuit breaker associated with the AC unit.
- **Faulty wiring:** Inspect the wiring connections for any loose or damaged wires. Contact an electrician if needed.
- **Power failure:** Ensure there's no power outage in your area.

5. Why is my AC blowing warm air?

- **Low refrigerant levels:** Insufficient refrigerant can cause the AC to blow warm air. Contact a professional to recharge the refrigerant.
- **Compressor failure:** The compressor is the heart of the AC unit. If it fails, the AC will not be able to cool effectively. This typically requires a

replacement.

If you encounter any of these problems with your split air conditioner, it's important to address them promptly to maintain efficient cooling and prevent further damage. If you're not comfortable repairing the unit yourself, don't hesitate to contact a qualified HVAC technician for assistance.

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