

Lead-acid battery basic knowledge test questions

What are the characteristics of a lead acid battery?

In a lead acid battery, separators are provided to 11. In a lead acid battery, fillers are provided to 12. Common impurity in a battery electrolyte is 13. During charging and discharging of an Edison cell 14. Nickel-cadmium accumulators in comparison to nickel-iron accumulators have the advantage of 15. A floating battery is one 16.

What happens when a lead acid battery is fully charged?

During the charging of a lead acid cell A. It's voltage increases B. It gives out energy C. It's cathode becomes dark chocolate brown in colour A. It's voltage increases 14. During charging the specific gravity of the electrolyte of a lead acid battery 15. When a lead acid battery is in fully charged condition the colour of its positive plate is D.

What colour is the positive plate of a lead acid battery?

When a lead acid battery is in fully charged condition the colour of its positive plate is D. None of the above
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What factors affect the capacity of a lead acid battery?

Within the electric cell, the charge is transported by 52. The capacity of a lead acid battery is adversely affected by increase in specific gravity of the electrolyte. discharge rate. temperature. charge rate. 53. In a lead-acid battery, excessive formation of lead sulphate occurs due to low level of electrolyte. persistent undercharging.

Which method of charging a lead acid battery has the advantage?

In comparison to constant current charging method, the constant voltage charging method of charging a lead acid battery has the advantage (s) of reducing charging time. avoiding of excessive gassing. both reducing charging time and avoiding of excessive gassing. increasing capacity of the battery. 41.

Which electrolyte is used in a lead-acid battery?

The electrolyte used in the lead-acid battery is a solution of sulphuric acid. It contains approximately one part of sulphuric acid to two part of water by volume. It should be noted that acid should be added to water and not the vice versa. 3. Which is the active material present on the negative plate in a lead-acid battery?

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Which of the following is the electrolyte used in a lead-acid battery? Explanation: The battery is filled with electrolyte. The electrolyte used in the lead-acid battery is a solution of sulphuric acid. It contains approximately one part of sulphuric acid to two part of water by volume.

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Test show that a heathy lead acid battery can be charged at up to 1.5C as long as the current is moderated towards a full charge when the battery reaches about 2.3V/cell (14.0V with 6 cells). Charge acceptance is ...

Automotive Engine Auxiliary Systems Questions and Answers - Lead-Acid Battery. This set of Automotive Engine Auxiliary Systems Multiple Choice Questions & Answers (MCQs) focuses on "". 1. What is the percentage of acid and water present in the electrolyte of a lead-acid battery in a fully charged condition? a) 39% acid and 61% water b) 45% acid and 65% water c) 30% acid ...

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Which of the following statement is correct about lead acid batteries (a) it delivers current as soon as its components are put together (b) density of electrolyte increases while delivering current

Which of the following statements is correct about lead-acid batteries? It has lead as positive plates. It delivers current as soon as its components are put together. 3. Capacity of a dry cell is. more when it supplies current continuously. more when it supplies current intermittently. not affected by the type of discharge. 4.

Learn how a lead acid battery works, more about battery maintenance and the difference between flooded, AGM and gel batteries. Read the tutorial today. Get Tech Help & Product Advice ×. If you have a tech question or don't know which product to buy, we can help. Call Email. Call an Expert 541-474-4421 M-F 6:30 AM - 3:30 PM PST. Order Tracking; ...

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Question 2: Which of the following battery types is known for its high energy density and is commonly used in portable electronic devices? (a) Lead-acid battery. (b) Nickel-cadmium ...

19. Explain how the charging algorithm of a lithium-ion battery differs from that of a lead-acid battery. Lithium-ion and lead-acid batteries employ different charging algorithms due to their distinct chemical compositions. For lithium-ion, the algorithm involves constant current (CC) phase where the battery is charged at maximum rate until it ...

On average, a lead-acid battery can last between 3-5 years, but with proper maintenance, it can last up to 10 years. How do you maintain a lead-acid battery? To maintain a lead-acid battery, it is important to keep it clean and dry, check the water level regularly, and recharge it before it becomes fully discharged. It is also important to ...

Question 2: Which of the following battery types is known for its high energy density and is commonly used in portable electronic devices? (a) Lead-acid battery. (b) Nickel-cadmium battery. (c) Alkaline battery. (d) Lithium-ion battery. Question 3: In a rechargeable battery, what happens during the charging process?

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