

Name \_\_\_\_\_

## The Sparkling Secrets of Electric Vehicle Battery Degradation

### Multiple Choice Questions

1. What is the primary type of battery used in electric vehicles?
  - a) Nickel-metal hydride
  - b) Lithium-ion
  - c) Lead-acid
  - d) Alkaline
  
2. Which of the following factors can accelerate battery degradation?
  - a) Keeping the battery at optimal temperature
  - b) Frequent cycling of the battery
  - c) Using the battery only occasionally
  - d) Maintaining a high depth of discharge
  
3. What happens to an electric vehicle's range as its battery degrades?
  - a) It increases
  - b) It stays the same
  - c) It decreases
  - d) It becomes unpredictable
  
4. What effect does extreme heat have on an electric vehicle battery?
  - a) It accelerates chemical reactions and reduces battery life
  - b) It has no impact on the battery
  - c) It makes the battery last longer
  - d) It increases the battery's efficiency
  
5. Why is it recommended not to drain an electric vehicle battery completely before recharging?
  - a) It has no impact on battery life
  - b) It increases the battery's efficiency
  - c) It accelerates battery degradation
  - d) It improves the battery's performance

