

T4C06 (D)

Which of the battery types listed below offers the longest life when used with a hand-held radio, assuming each battery is the same physical size?

- A. Lead-acid
- B. Alkaline
- C. Nickel-cadmium
- D. Lithium-ion**

T4C07 (B)

What is the nominal voltage per cell of a fully charged nickel-cadmium battery?

- A. 1.0 volts
- B. 1.2 volts**
- C. 1.5 volts
- D. 2.2 volts

T4C08 (B)

What battery type on this list is not designed to be re-charged?

- A. Nickel-cadmium
- B. Carbon-zinc**
- C. Lead-acid
- D. Lithium-ion

T4C09 (D)

What is required to keep rechargeable batteries in good condition and ready for emergencies?

- A. They must be inspected for physical damage and replaced if necessary
- B. They should be stored in a cool and dry location
- C. They must be given a maintenance recharge at least every 6 months
- D. All of these answers are correct**

T4C10 (B)

What is the best way to get the most amount of energy from a battery?

- A. Draw current from the battery as rapidly as possible
- B. Draw current from the battery at the slowest rate needed**
- C. Reverse the leads when the battery reaches the 1/2 charge level
- D. Charge the battery as frequently as possible

T4D01 (B)

What formula is used to calculate current in a circuit?

- A. Current (I) equals voltage (E) multiplied by resistance (R)
- B. Current (I) equals voltage (E) divided by resistance (R)**
- C. Current (I) equals voltage (E) added to resistance (R)
- D. Current (I) equals voltage (E) minus resistance (R)