

## General Science - 10th Class General Science English Medium Chapter 8 Short Questions Test

Q1. Define Potential difference.

**Ans 1:** "The amount of energy supplied to one coulomb charge by a battery is called its potential difference."

Q2. What does a step -up transformer do.

**Ans 1:** A step -up transformer increase the voltage givne b primary coil because in step-up transormer numebr of turns in secondary coil are greater in number.

Q3. Write the names of types of capacitors.

**Ans 1:** 1- Fixed capacitor

**Ans 2:** 2- Variable capacitor.

**Ans 3:** Example of Fixed capacitor: The example of foex capacitors are mica and paper capacitor.

**Ans 4:** Example of variable capacitor: Gange Capacitor.

Q4. What is circuit breaker.

**Ans 1:** Now a day circuit breakers are replacing the fuses. These are turned off automatically on passing more or less current than its limit.

Q5. Define Resistance.

**Ans 1:** "The opposition to the flow of charges is called resistance.

Q6. Define Electric Shock.

**Ans 1:** When a current flows through a living body , it is called an electric shock.

Q7. What does step -down transormer do.

**Ans 1:** A setp -down transormer decrease the voltage given by the primary coil because in step-down transormer the number of turns in secondary coil are less than primary coil.

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Q8. Define Ohm

**Ans 1:** "If one volt potential difference applied across the ends of a conductor gives rise to a current of one ampere, the resistance of the conductor is one ohms.

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Q9. How ammeter and voltmeter are prepared.

**Ans 1:** Ammeter: Ammeter is an instrument which measured the current. This is made by connecting a small resistance in parallel to the coil of the galvanometer. This resistance is called the "shunt" . The major portion of the amount passed through the shunt.

**Ans 2:** Voltmeter: Voltmeter is an instrument which is used to measure potential difference . This can also be made by modification in the galvanometer. A high resistance connected in series with the coil of the galvanometer. This converts it into a voltmeter.

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Q10. Define Ammeter.

**Ans 1:** Ammeter: Ammeter is an instrument which measures the current.

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