

## Resistance Quiz Answer Key PDF

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**What is the unit of electrical resistance?**

- A. Ampere
- C. Ohm ✓**
- D. Watt
- C. Volt

**Analyze the significance of the Montgomery Bus Boycott in the context of civil rights resistance.**

**The Montgomery Bus Boycott was significant as it successfully challenged racial segregation in public transportation, mobilized the African American community, and set the stage for future civil rights activism.**

**How does material choice affect the resistance in an electrical circuit? Provide examples.**

**The resistance in an electrical circuit is affected by the material's resistivity; materials like copper have low resistance, making them ideal for conductors, while materials like rubber have high resistance, making them suitable for insulation.**

**What strategies can be employed to combat antibiotic resistance?**

**Strategies to combat antibiotic resistance include: 1) promoting the appropriate use of antibiotics, 2) improving infection prevention and control measures, 3) increasing public awareness and education, 4) investing in research for new antibiotics and alternative therapies, and 5) implementing robust surveillance systems to monitor antibiotic use and resistance patterns.**

**Describe the impact of antibiotic resistance on global health.**

**Antibiotic resistance impacts global health by making common infections harder to treat, leading to increased death rates, prolonged illness, and a rise in healthcare expenditures.**

**Which event is associated with Rosa Parks' act of resistance?**

- A. The Selma March
- C. The Montgomery Bus Boycott ✓**
- D. The March on Washington
- C. The Freedom Rides

**What is the primary cause of antibiotic resistance?**

- A. Overuse of antibiotics ✓**
- C. Lack of hygiene
- D. Climate change
- C. Genetic mutations

**Which material typically has the highest electrical resistance?**

- A. Copper
- C. Silver
- C. Rubber ✓**
- D. Gold

**Which of the following are consequences of social resistance movements? (Select all that apply)**

- A. Policy changes ✓**
- C. Economic downturns
- C. Increased awareness ✓**
- D. Technological advancements

**Which materials are considered good conductors of electricity? (Select all that apply)**

- A. Copper ✓**
- C. Glass
- C. Aluminum ✓**
- D. Plastic

**Which of the following are effects of antibiotic resistance? (Select all that apply)**

- A. Longer hospital stays ✓**
- C. Increased medical costs ✓**
- C. More effective treatments
- D. Higher mortality rates ✓**

**Which of the following is a characteristic of a resistor in an electrical circuit?**

- A. It increases voltage
- C. It decreases current ✓**
- D. It stores energy
- C. It generates power

**What are the key components of Ohm's Law? (Select all that apply)**

- A. Voltage ✓**
- C. Resistance ✓**
- C. Power
- D. Current ✓**

**What are common methods used in nonviolent resistance? (Select all that apply)**

- A. Sit-ins ✓**
- C. Armed rebellion
- C. Boycotts ✓**
- D. Peaceful protests ✓**

**Who is known for leading the Indian independence movement through nonviolent resistance?**

- A. Nelson Mandela
- C. Martin Luther King Jr.
- C. Mahama Gandhi ✓**
- D. Rosa Parks

**Explain how Ohm's Law is used to calculate the resistance in an electrical circuit.**

To calculate the resistance in an electrical circuit using Ohm's Law, use the formula  $R = V/I$ , where R is resistance, V is voltage, and I is current.

**What is the main goal of civil resistance movements?**

- A. To gain financial profit
- C. To promote social change ✓**
- D. To increase political power
- C. To expand military influence

**Discuss the role of Martin Luther King Jr. in the American Civil Rights Movement.**

**Martin Luther King Jr. played a crucial role in the American Civil Rights Movement by leading nonviolent protests and advocating for racial equality, significantly influencing public opinion and policy.**

**Which of the following figures were prominent in the American Civil Rights Movement? (Select all that apply)**

- A. Malcolm X ✓**
- C. Susan B. Anthony
- C. Martin Luther King Jr. ✓**
- D. Harriet Tubman

**Which law relates voltage, current, and resistance in an electrical circuit?**

- A. Newton's Law
- C. Faraday's Law
- D. Boyles's Law
- C. Ohm's Law ✓**