ARIZONA PHYSICS · UNIT 3 · 5 QUESTIONS

Electricity, Magnetism, and Waves — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A voltage of 9 V drives a current of 3 A. The resistance is**

- A 27 ohms
- B 12 ohms
- C 3 ohms
- D 6 ohms

Understand It with Pulse | Flag a mistake

2 **Several small electronic resistors with coloured bands on a wooden workbench. Resistors of 8 ohms and 12 ohms are connected in series. The total resistance is**



A 4 ohms

B 20 ohms

C 96 ohms

D 4.8 ohms

Understand It with Pulse | Flag a mistake

3 **Resistors of 10 ohms and 10 ohms are connected in parallel. The total resistance is**

- A 20 ohms
- B 100 ohms
- C 5 ohms
- D 10 ohms

Understand It with Pulse | Flag a mistake

4 **A device operates at 20 V and draws 2 A. The electrical power used is**

- A 10 W
- B 22 W
- C 18 W
- D 40 W

Understand It with Pulse | Flag a mistake

5 **A current of 3 A flows for 10 s. The charge that flows is**

- A 13 C
- B 30 C
- C 7 C
- D 3.3 C

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. C
2. B
3. C
4. D
5. B

© 2026 Brett Robbins. All Rights Reserved.