

Name: _____

Class: _____

Date: _____

Multiple-Choice

18. In the circuit with a battery of 24 V and a

resistor of 12 ohms, _____
A) 2 A flows B) 1 A flows
C) 3 A flows D) 4 A flows E) 0.5 A

19. A battery of 12 V is connected to a resistor of 6 ohms. The current through the resistor is _____
A) 2 A B) 1 A
C) 3 A D) 4 A E) 0.5 A

20. A battery of 12 V is connected to a resistor of 6 ohms. The power dissipated in the resistor is _____
A) 24 W B) 12 W
C) 36 W D) 48 W E) 6 W

21. A battery of 12 V is connected to a resistor of 6 ohms. The energy dissipated in the resistor in 10 s is _____
A) 240 J B) 120 J
C) 360 J D) 480 J E) 60 J

22. A battery of 12 V is connected to a resistor of 6 ohms. The energy dissipated in the resistor in 10 s is _____
A) 240 J B) 120 J
C) 360 J D) 480 J E) 60 J

23. A battery of 12 V is connected to a resistor of 6 ohms. The energy dissipated in the resistor in 10 s is _____
A) 240 J B) 120 J
C) 360 J D) 480 J E) 60 J

24. A battery of 12 V is connected to a resistor of 6 ohms. The energy dissipated in the resistor in 10 s is _____
A) 240 J B) 120 J
C) 360 J D) 480 J E) 60 J

25. A battery of 12 V is connected to a resistor of 6 ohms. The energy dissipated in the resistor in 10 s is _____
A) 240 J B) 120 J
C) 360 J D) 480 J E) 60 J

26. A battery of 12 V is connected to a resistor of 6 ohms. The energy dissipated in the resistor in 10 s is _____
A) 240 J B) 120 J
C) 360 J D) 480 J E) 60 J

27. A battery of 12 V is connected to a resistor of 6 ohms. The energy dissipated in the resistor in 10 s is _____
A) 240 J B) 120 J
C) 360 J D) 480 J E) 60 J

28. A battery of 12 V is connected to a resistor of 6 ohms. The energy dissipated in the resistor in 10 s is _____
A) 240 J B) 120 J
C) 360 J D) 480 J E) 60 J