

Physics 9C Laboratory #08 Pre-Lab Worksheet

(turn this in to your TA as you enter the classroom)

I. Reading Preparation

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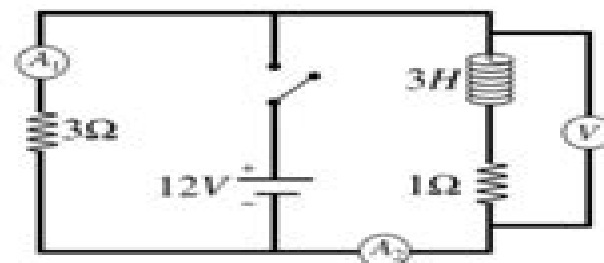
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☐ *Physics 9C LibreText, Section 5.4 (Topic: LR Circuits)*

II. LR Circuit

The switch in the circuit shown to the right has been closed for a long time when you walk up to it.

1. What do the three gauges (the two ammeters and the voltmeter shown in the diagram) read?

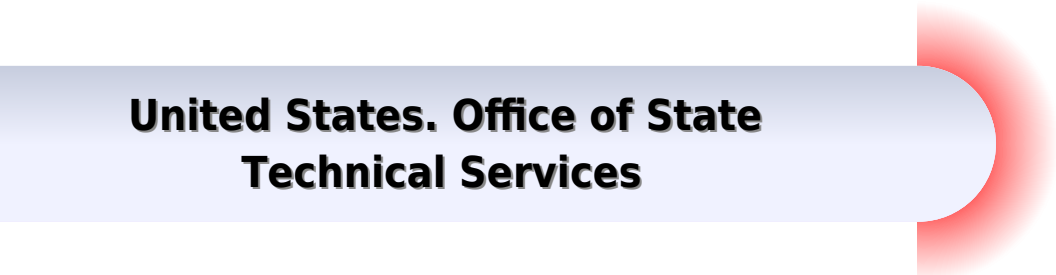


2. You decide to open the switch. At the instant immediately after you do this, what do the three gauges read?

3. How long do you have to wait after opening the switch for the current measured in ammeter A_2 to drop to half of what it was when you started?

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Table of Contents Physics 9c Lab Manual

1. Understanding the eBook Physics 9c Lab Manual
 - The Rise of Digital Reading Physics 9c Lab Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Physics 9c Lab Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Physics 9c Lab Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Physics 9c Lab Manual
 - Personalized Recommendations
 - Physics 9c Lab Manual User Reviews and Ratings
 - Physics 9c Lab Manual and Bestseller Lists
5. Accessing Physics 9c Lab Manual Free and Paid eBooks

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- Physics 9c Lab Manual eBook Subscription Services
- Physics 9c Lab Manual Budget-Friendly Options
- 6. Navigating Physics 9c Lab Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Physics 9c Lab Manual Compatibility with Devices
 - Physics 9c Lab Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Physics 9c Lab Manual
 - Highlighting and Note-Taking Physics 9c Lab Manual
 - Interactive Elements Physics 9c Lab Manual
- 8. Staying Engaged with Physics 9c Lab Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Physics 9c Lab Manual
- 9. Balancing eBooks and Physical Books Physics 9c Lab Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Physics 9c Lab Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Physics 9c Lab Manual
 - Setting Reading Goals Physics 9c Lab Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Physics 9c Lab Manual
 - Fact-Checking eBook Content of Physics 9c Lab Manual
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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