

# Phet Simulation: Static Electricity

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Period: \_\_\_\_\_

## Part 1: Attraction and Repulsion

1. Select the simulation. Select the static electricity simulation (bottom row, left column).
2. a. Charge the spheres in the same way and demonstrate attraction (bottom row, left column).  
b. Charge the spheres in the same way and demonstrate repulsion (bottom row, right column).  
c. Charge the spheres in opposite ways and demonstrate attraction (top row, left column).  
d. Charge the spheres in opposite ways and demonstrate repulsion (top row, right column).



3. a. Select the spheres and observe attraction. Write your observations in the space provided. (bottom row, left column)  
b. Select the spheres and observe repulsion. Write your observations in the space provided. (bottom row, right column)  
c. Charge the spheres in opposite ways and observe attraction. Write your observations in the space provided. (top row, left column)  
d. Charge the spheres in opposite ways and observe repulsion. Write your observations in the space provided. (top row, right column)

4. a. In the simulation, the two spheres (red and blue) are moving and repel. Is the bottom sphere positive or negative? How do you know?  
b. In the simulation, the two spheres (red and blue) are moving and attract. Is the bottom sphere positive or negative? How do you know?

# Static Electricity Answer Key

**Liying Dong**



## Static Electricity Answer Key:

Read and Succeed: Comprehension Level 5 Debra J. Housel, 2010-05-30 Students need high quality purposeful practice to improve reading comprehension Developed for students in grade 5 Read and Succeed Comprehension features high interest fiction and nonfiction passages that capture their interest and focused standards based activities that provide targeted practice opportunities This effective full color resource includes 65 passages skill practice pages answer key and a whiteboard compatible Teacher Resource CD 152pp

**Cyber Science 5 Tm' 2007 Ed. , Electricity & Magnetism (ENHANCED eBook)** Edward P. Ortleb, Richard Cadice, 1991-09-01 This book presents a program of basic studies dealing with electricity and magnetism Properties and types of electricity and different methods of producing electricity are detailed Information is provided on motors and other appliances that use electricity Each of the twelve teaching units in this book is introduced by a color transparency print books or PowerPoint slide eBooks that emphasizes the basic concept of the unit and presents questions for discussion Reproducible student pages provide reinforcement and follow up activities The teaching guide offers descriptions of the basic concepts to be presented background information suggestions for enrichment activities and a complete answer key

Electricity and Magnetism Edward P. Ortleb, Richard Cadice, 1991-09-01 Color Overheads Included This book presents a program of basic studies dealing with electricity and magnetism Properties and types of electricity and different methods of producing electricity are detailed Information is provided on motors and other appliances that use electricity Each of the twelve teaching units in this book is introduced by a color transparency which emphasizes the basic concept of the unit and presents questions for discussion Reproducible student pages provide reinforcement and follow up activities The teaching guide offers descriptions of the basic concepts to be presented background information suggestions for enrichment activities and a complete answer key

*Static Electricity and Lightning* Shireman, 2013-01-29 Have you ever been shocked by touching a doorknob Do you know what causes the shock Written for students in grade 4 Static Electricity and Lightning explains static electricity and how it relates to lightning This 22 page book includes a glossary of bold faced vocabulary words reading activities an index of terms and an answer key

**Electricity and Magnetism**, 2013

*January*, 1990 This Monthly Resource Kit offers a whole language approach to January with activities in the content areas of Math Science Reading Vocabulary Development Social Studies Writing

**Athenaeum and Literary Chronicle**, 1909

*The Saturday Review of Politics, Literature, Science and Art*, 1909

The Athenaeum, 1909

**The Spectator**, 1910

The Athenaeum James Silk Buckingham, John Sterling, Frederick Denison Maurice, Henry Stebbing, Charles Wentworth Dilke, Thomas Kibble Hervey, William Hepworth Dixon, Norman Maccoll, Vernon Horace Rendall, John Middleton Murry, 1909

*Engineering and Operating Suggestions for the Standardizing and Electrical Laboratories of the Public Utility* Edwin Stoddard Lincoln, 1925

*Educational Times*, 1916

Electricity and Magnetism, 2005

Educational Times and Journal of the College of Preceptors, 1909

McGraw-Hill Education TEAS Review Cara

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## Unveiling the Magic of Words: A Overview of "**Static Electricity Answer Key**"

In some sort of defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Static Electricity Answer Key**," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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