

# ELECTRICITY & MAGNETISM

# scienceWriting

## CONCEPTS COVERED:

- STATIC & CURRENT ELECTRICITY
- CHARGES (BASIC)
- MAGNETS & ELECTROMAGNET
- ELECTRIC & MAGNETIC FIELDS (BASIC)
- CONDUCTORS & INSULATORS
- REPEL & ATTRACT



**GET STUDENTS EXCITED ABOUT LEARNING**

# HOW CAN IT BE USED?

The image shows four overlapping student worksheets for a science unit on Electricity & Magnetism. Each worksheet has a 'Name' field, a 'How much do you know?' section, a main question, and a 'DID YOU INCLUDE:' checklist.

**Worksheet 1 (Top Left):**

Name: \_\_\_\_\_

How much do you know?

WHAT HAPPENS IF YOU CUT A MAGNET IN HALF?

**DID YOU INCLUDE:**

- ☐ details and/or evidence to support your answer?
- ☐ proper grammar usage and mechanics?
- ☐ correct spelling?
- ☐ important vocabulary?

**Worksheet 2 (Top Right):**

Name: \_\_\_\_\_

How much do you know?

WHAT ARE SOME WAYS TO CONTROL AN ELECTROMAGNET?

**DID YOU INCLUDE:**

- ☐ details and/or evidence to support your answer?
- ☐ proper grammar usage and mechanics?
- ☐ correct spelling?
- ☐ important vocabulary?

**Worksheet 3 (Bottom Left):**

Name: \_\_\_\_\_

How much do you know?

WHAT MUST BE IN PLACE FOR A CIRCUIT TO WORK?

**DID YOU INCLUDE:**

- ☐ details and/or evidence to support your answer?
- ☐ proper grammar usage and mechanics?
- ☐ correct spelling?
- ☐ important vocabulary?

**Worksheet 4 (Bottom Right):**

Name: \_\_\_\_\_

How much do you know?

WHAT MUST BE IN PLACE FOR A CIRCUIT TO WORK?

**DID YOU INCLUDE:**

- ☐ details and/or evidence to support your answer?
- ☐ proper grammar usage and mechanics?
- ☐ correct spelling?
- ☐ important vocabulary?

## Multiple Uses in the Classroom

- TICKET OUT THE DOOR
- MORNING WORK
- SMALL GROUPS
- HOMEWORK
- SCIENCE CENTERS
- WHOLE CLASS ACTIVITIES
- PARTNER ACTIVITIES
- EARLY FINISHER ACTIVITIES
- AND SO MUCH MORE!

# GET HIGH-QUALITY, ENGAGING RESOURCES

# WHAT'S THE OBJECTIVE?

- TO DETERMINE WHAT STUDENTS KNOW ABOUT THE CONCEPTS RELATED TO ELECTRICITY AND MAGNETISM.
- TO PRACTICE WRITING SKILLS IN THE SCIENCE CLASSROOM.
- TO PRACTICE PROVIDING DETAILS AND EVIDENCE TO SUPPORT THEIR SCIENTIFIC REASONING.
- TO USE SCIENTIFIC LANGUAGE AND VOCABULARY.

Three overlapping student worksheets for Electricity & Magnetism. Each worksheet has a header with 'Name', 'Electricity & Magnetism', and 'How much do you know?'. The first worksheet asks 'WHY DO YOU THINK MOST OBJECTS ARE NEUTRALLY CHARGED?'. The second asks 'WHY WOULD TWO BALLOONS HANGING FROM A DESK MOVE AWAY FROM ONE ANOTHER EVEN THOUGH THEY ARE CLOSE? EXPLAIN.'. The third asks 'WHAT IS A CONDUCTOR AND AN INSULATOR AND WHY ARE THEY IMPORTANT?'. Each worksheet has a 'DID YOU INCLUDE:' section with checkboxes for: details and/or evidence to support your answer?, proper grammar usage and mechanics?, correct spelling?, and important vocabulary?.

## SAVE TIME PLANNING WITH DETAILED ACTIVITIES



# WHAT'S INCLUDED?

- PRINTABLE OPTIONS – HALF PAGE AND FULL PAGE
- DIGITAL VERSION
- EDITABLE PAPER VERSION SO YOU CAN TYPE YOUR OWN QUESTIONS!
- 22 QUESTIONS TOTAL!
- ANSWER KEY & A RUBRIC
- A CHECKLIST FOR STUDENTS

The image shows a stack of four sample questions from the 'Electricity & Magnetism' unit. Each question card has a header 'How much do you know?' and a 'DID YOU' cloud icon. The questions are:

- WHAT ARE SOME WAYS THAT LIGHT AND HEAT CAN TRANSFER ENERGY TO AN ELECTRIC CURRENT?
- IN WHAT WAYS ARE ELECTRICITY AND MAGNETISM ALIKE?
- WHAT WILL HAPPEN IF YOU PUT A COMPASS NEXT TO AN ELECTROMAGNET THAT IS SWITCHED ON?
- HOW IS AN ELECTROMAGNET DIFFERENT FROM A BAR MAGNET?

The bottom card also includes a 'DESCRIBE HOW TO MAKE AN ELECTROMAGNET.' section with lines for writing. To the right of the bottom card is a 'DID YOU INCLUDE:' checklist:

- ☐ details and evidence to support your answer?
- ☐ proper grammar usage and mechanics?
- ☐ correct spelling?
- ☐ important vocabulary?

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**TAKE YOUR WEEKENDS BACK TO DO WHAT YOU LOVE!**

# SAVE MONEY AND GRAB THE BUNDLE!

## Earth Science Bundle

- CYCLES AND SYSTEMS
- EARTH CHANGES
- EARTH'S SURFACE
- EARTH MOON SUN
- FOSSILS
- NATURAL RESOURCES
- ROCKS AND MINERALS
- SOIL
- SOLAR SYSTEM
- WEATHER

## Life Science Bundle

- ADAPTATIONS
- ANIMALS
- CELLS AND MICROBES
- ECOSYSTEMS
- GENETICS
- HUMAN BODY SYSTEMS
- LIFE CYCLES
- PLANTS

## Physical Science Bundle

- CHEMICAL AND PHYSICAL CHANGES
- ELECTRICITY AND MAGNETISM
- ENERGY
- FORCE AND MOTION
- MATTER
- SIMPLE MACHINES
- STATES OF MATTER
- WAVES

# IT ALL STARTS HERE!

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Take **BACK YOUR**  
**WEEKENDS** without  
**SACRIFICING**  
high-quality **RESOURCES!**

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