

# ENERGY

# scienceWriting

## CONCEPTS COVERED:

- COLLISIONS
- FORMS OF ENERGY: HEAT, SOUND, LIGHT, ELECTRIC, POTENTIAL & KINETIC
- CONDUCTION, CONVECTION, RADIATION
- TRANSFER OF ENERGY



## GET STUDENTS EXCITED ABOUT LEARNING

# HOW CAN IT BE USED?

The image displays four sample student worksheets, each with a header section and a main body. The worksheets are designed for science and language activities. Each worksheet has a 'Name' field at the top left. The first worksheet asks 'How much do you know?' and 'WHY IS THERE MORE DAMAGE WHEN OBJECTS MOVING QUICKLY COLLIDE THAN WHEN THEY ARE MOVING SLOWLY?'. The second worksheet asks 'How much do you know?' and 'WHAT ARE SOME CHANGES LIGHT ENERGY CAN CAUSE?'. The third worksheet asks 'How much do you know?' and 'WHAT IS ELECTRIC ENERGY? PROVIDE AN EXAMPLE.'. The fourth worksheet asks 'How much do you know?' and 'WHAT IS ELECTRIC ENERGY? PROVIDE AN EXAMPLE.'. Each worksheet has a 'DID YOU INCLUDE:' section with a checklist: 'details and/or evidence to support your answer?', 'proper grammar usage and mechanics?', 'correct spelling?', and 'important vocabulary?'. The worksheets are arranged in a grid-like fashion, with some overlapping.

## 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 ENERGY.
- 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.

The image shows three overlapping student worksheets. Each worksheet has a header with 'Name' and 'Energy' in a grey box. The first worksheet asks 'How much do you know?' and 'WHAT HAPPENS TO LIGHT ENERGY WHEN IT STRIKES A GLASS WINDOW? A LEAF?'. The second worksheet asks 'How much do you know?' and 'IF A BRIGHT, LOUD EXPLOSION TOOK PLACE IN SPACE, WOULD IT BE SEEN OR HEARD ON EARTH? WHY OR WHY NOT?'. The third worksheet asks 'How much do you know?' and 'IS LIGHT AND SOUND ENERGY CONSIDERED TO BE KINETIC ENERGY OR POTENTIAL? HOW DO YOU KNOW?'. Each worksheet has a 'DID YOU INCLUDE:' section with a checklist: 'details and/or evidence to support your answer?', 'proper grammar usage and mechanics?', 'correct spelling?', and 'important vocabulary?'. The worksheets are designed for students to write their answers and provide evidence for their reasoning.

## 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

How much do you know? Energy

WHEN TWO OBJECTS COLLIDE, WHAT HAPPENS TO THE ENERGY IN THE FIRST OBJECT?

DID YOU

How much do you know? Energy

WHAT ARE SOME EXAMPLES OF HEAT BEING APPLIED TO AN OBJECT TO RELEASE ENERGY THAT CAN BE USED BY PEOPLE?

DID YOU

How much do you know? Energy

WHAT DOES COLD MEAN? GIVE AN EXAMPLE.

DID YOU

How much do you know? Energy

YOU ATTENDED THE FOURTH OF JULY FIREWORKS SHOW. WHAT FORMS OF ENERGY OCCURRED THERE? EXPLAIN.

DID YOU

How much do you know? Energy

HOW IS SOUND ENERGY DIFFERENT FROM LIGHT ENERGY?

DID YOU INCLUDE:

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

© The Owl Teacher

**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!

---

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

---



**The Owl Teacher**

© The Owl Teacher