

ROCKS AND MINERALS science Writing

CONCEPTS COVERED:

- CHARACTERISTICS OF THREE TYPES OF ROCKS
- THE ROCK CYCLE
- MINERALS & THEIR PROPERTIES
- FORMATION OF ROCKS & MINERALS
- ROCKS & MINERALS USE



GET STUDENTS EXCITED ABOUT LEARNING

HOW CAN IT BE USED?

The image displays four sample worksheets for a 'Rocks and Minerals' unit. Each worksheet is titled 'How much do you know?' and includes a 'DID YOU INCLUDE?' checklist. The worksheets are arranged in a 2x2 grid, showing different activities:

- Top Left:** 'NAME SOME PROPERTIES OF MINERALS AND HOW THEY ARE USED.'
- Top Right:** 'WHAT IS THE ROCK CYCLE? DESCRIBE ITS PROCESS IN DETAIL.'
- Bottom Left:** 'NAME THREE WAYS THAT ROCKS AND/OR MINERALS ARE USED.'
- Bottom Right:** 'DESCRIBE ITS PROCESS IN DETAIL.'

Each worksheet includes a 'DID YOU INCLUDE?' checklist with the following items:

- ☐ 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 ROCKS AND MINERALS.
- 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 a science activity on Rocks and Minerals.

Worksheet 1 (Left):

- Name: _____
- Topic: Rocks and Minerals
- How much do you know? _____
- Task: COMPARE AND CONTRAST FINE-GRAINED AND COARSE-GRAINED IGNEOUS ROCKS.
- Did You Include: ☐

Worksheet 2 (Middle):

- Name: _____
- Topic: Rocks and Minerals
- How much do you know? _____
- Task: WHAT IS MINERAL HARDNESS AND THE MOHS' HARDNESS SCALE?
- Did You Include: ☐

Worksheet 3 (Right):

- Name: _____
- Topic: Rocks and Minerals
- How much do you know? _____
- Task: DO YOU THINK THE ROCK THAT FORMS WHEN THE LAVA IS COOLED BY OCEAN WATER IS FINE-GRAINED OR COARSE-GRAINED? EXPLAIN YOUR REASONING.
- Did You Include: ☐
- Details and/or evidence to support your answer? ☐
- proper grammar usage and mechanics? ☐
- correct spelling? ☐
- 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 five sample questions from the 'Rocks and Minerals' unit. Each question card has a header 'How much do you know?' and a 'DID YOU' response box. The questions are:

- HOW CAN SCIENTISTS FIND OUT HOW OLD A LAYER OF ROCK IS?
- WHY IS IT IMPORTANT TO NOT JUST USE ONE PROPERTY TO IDENTIFY A MINERAL?
- HOW CAN SEDIMENTARY ROCKS BECOME METAMORPHIC ROCKS?
- WHAT PROPERTIES ARE USED TO COMPARE ROCKS?
- WHAT IS A MINERAL? HOW IS IT DIFFERENT FROM A ROCK?

Each card also features a 'DID YOU INCLUDE:' checklist on the right side, which includes:

- ☐ 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