

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

## ***EARTH SCIENCE MINI-PROJECTS***

### **PURPOSE:**

The purpose of these mini-projects is to help students review the major topics in each chapter as they prepare for a quiz.

### **DIRECTIONS:**

Students will create a mini-brochure that creatively demonstrates knowledge of the material in the current chapter. The brochures are to be made out of 4-5 sheets of paper that are folded in half. The brochures will be graded for both content and creativity. The content grade will be based on the inclusion of all necessary vocabulary terms and explanations. The creativity grade will be based on the inclusion of diagrams or pictures, as well as the general appearance of the brochure.

The brochures are to be neat, colorful, and attractive. All text is to be written in pen or is to be typed. Students MAY NOT write their brochures using the mineral graphite (pencil). Students who have messy handwriting are REQUIRED to type out their text and paste it into the brochure.

Students MAY NOT PLAGIARIZE in their brochures. Here are some (but not all) ways to avoid plagiarism:

- DO NOT copy and paste directly from the lecture notes on [www.zunick.com](http://www.zunick.com).
- DO NOT copy and paste directly from the textbook or any other printed source).
- DO NOT copy and paste directly from any website.
- DO NOT copy and paste any diagrams that Mr. Zunick provides to you.

### **DUE DATES:**

The brochures are due ON OR BEFORE THE DAY OF THE QUIZ. Five points will be deducted per CALENDAR DAY for late projects.

### **RUBRIC:**

Component	Points Earned	Point Value
includes all necessary topics, terms, explanations, etc.		15
includes pictures, diagrams, charts, tables, etc.		5
brochure is colorful and attractive		5
TOTAL POINTS EARNED		25

## **TOPIC LIST:**

For all chapters, it is recommended that students prepare a brochure featuring the topics listed on the STUDY GUIDE. The following is simply a list for students who do NOT wish to use the study guide as their brochure topic:

Chapter 1: The Nature of Science	<ul style="list-style-type: none"><li>- The Scientific Method</li><li>- The Four Branches of Earth Science</li></ul>
Chapters 18, 19, & 2: Oceanography & Matter	<ul style="list-style-type: none"><li>- The Periodic Table and Orbital Diagrams</li><li>- A Visitor's Guide to the Beach</li></ul>
Chapter 3: Minerals	<ul style="list-style-type: none"><li>- How to Identify Minerals</li><li>- Guide to Common Minerals</li></ul>
Chapter 4: Rocks	<ul style="list-style-type: none"><li>- How to Identify Rocks</li><li>- Guide to Common Rocks</li><li>- Why Minerals are NOT the Same as Rocks</li></ul>
Chapter 6: Views of Earth	<ul style="list-style-type: none"><li>- The Four Types of Maps</li><li>- Landforms and Maps</li></ul>
Chapters 7 & 8: Erosional Forces	<ul style="list-style-type: none"><li>- Natural Disaster Handbook</li><li>- Causes of Weathering and Erosion</li></ul>
Chapters 11 & 12: Earthquakes & Volcanoes	<ul style="list-style-type: none"><li>- Elastic Limit &amp; Three Types of Faults</li><li>- How to Find the Epicenter Location</li><li>- Guide to the Three Types of Volcanoes</li></ul>
Chapter 13: Clues to Earth's Past	<ul style="list-style-type: none"><li>- How to Use the Principle of Superposition</li><li>- Field Guide to Identifying Fossils</li></ul>
Chapter 14: Geologic History	<ul style="list-style-type: none"><li>- What's Important and What's Not</li><li>- The Evolution of Major Life Forms</li><li>- The Geologic History of the Earth</li></ul>
Chapter 23: The Sun-Earth-Moon System	<ul style="list-style-type: none"><li>- Moon Phases, Eclipses, and Seasons</li><li>- Fun Facts About Rotation and Revolution</li></ul>
Chapters 24 & 25: Planets, Stars & Galaxies	<ul style="list-style-type: none"><li>- A Visitor's Guide to the Solar System</li><li>- The Life and Death of Stars</li></ul>
Chapter 15: Atmosphere	<ul style="list-style-type: none"><li>- Three Methods of Energy Transfer</li><li>- The Five Layers of the Atmosphere</li><li>- Why Cold Doesn't Exist</li></ul>
Chapter 16: Weather	<ul style="list-style-type: none"><li>- How to Read a Weather Map</li><li>- Humidity, Fronts, and Pressure Systems</li></ul>