

**AIM:** How do humans use rock and mineral resources?

**Unit 4:** Weathering and Erosion: What happens to rocks after they've formed?

**Do Now:** 1) What has happened to the value of gold recently?

2) What is happening in the Democratic Republic of Congo?

By the end of class, you should be able to...

- Define mineral resources, renewable, and nonrenewable resources
- Identify and explain the uses of at least 3 mineral resources
- Explain how the properties of specific rocks and minerals make them useful to humans
- Explain how diamonds and gold are two examples of human conflict over how to use mineral resources

Key terms

Notes/explanations

	<p>I. Mineral resources: includes Earth materials such as _____</p> <p>a. <b>Renewable resources:</b> _____</p> <p>_____</p> <p>Examples: _____</p> <p>b. Mineral resources are <b>NONrenewable resources:</b> _____</p> <p>_____</p> <p>Examples: _____</p> <p>2. Humans find different uses for rocks and minerals because of their properties</p> <p>a. Slate:</p> <p>b. Coal:</p> <p>c. Pumice:</p> <p>d. Granite and quartzite:</p> <p>e. Graphite:</p> <p>f. Talc:</p> <p>g. Diamond, corundum, garnet:</p>
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Because mineral resources are nonrenewable, there are often conflicts over how to use them.

**60 minutes Video:**

1) Why is it difficult to avoid purchasing gold from Congo?

**National Geographic Blood Diamond Video:**

1) Why do you think they use the term "blood diamond" to refer to diamonds from conflict areas?

2) How do the majority of diamonds get to the market?

Quick Publish: Choose 1 of the statements below and write a 3-paragraph essay supporting or arguing against the statement. Use examples from your personal experience, from class discussions, the videos, and articles.

- 1) The government should be responsible for making sure that mineral resources come from legitimate sources. One person cannot have an influence on industry.
- 2) Americans love to shop and this is the force that drives the illegal gold and blood diamond trade. Traders are just trying to meet a demand, if the demand doesn't exist then people would not be so desperate to provide the supply.