

# Rock and Mineral Resources Wiki Reflection

**Due by 11:59 pm, Wednesday, May 4 (If necessary, send completed reflection to Prof. Altaner by e-mail, altaner@illinois.edu.)**

## Purpose

The purpose of this reflection project is to evaluate which of the studied rock and mineral resources can be considered an impending individual mineral crisis and to select your favorite Wikis.

## Time Estimate

Each person should spend approximately **3 - 4 hours** to satisfy all of the components of this activity.

## Instructions

**Part 1** - First, read all of the rock and mineral resource Wikis created by your fellow classmates. You should be able to access these Wikis by clicking on the link **Group Wiki Project** on the GEOL 333 Illinois Compass Web site. **BASED ON INFORMATION IN EACH WIKI**, complete the two tables below by entering information about each rock and mineral resource for the following:

Limited World Supply (Answer yes or no. Consider a remaining lifetime of 20 years or less to be a limited world supply.)

Strategic Mineral (Answer yes or no. Consider a strategic mineral as one needed to supply the US military, industrial, and essential civilian needs during a national emergency AND it is not found or produced in the US in sufficient quantities to meet this need.)

Major Environmental Impact of Mining or Processing (Answer yes or no. Consider impacts such as a high chance for environmental degradation, e.g., pollution or ecosystem destruction, during mining or processing.)

Impending Mineral or Rock Crisis (Answer yes or no. Answer this question based on your overall analysis of the remaining world supply, environmental impacts of mining or processing, and whether or not it is a strategic mineral.)

Explanation (Write a sentence or so that explains your answer to the impending mineral crisis question.)

Name \_\_\_\_\_

**Part 1 - Yes or no answers are sufficient for this section; give explanation to the impending mineral crisis question in the next section.**

<b>Mineral or Rock Resource</b>	<b>Limited World Supply</b>	<b>Strategic Mineral</b>	<b>Major Environmental Impact</b>	<b>Impending Mineral/Rock Crisis</b>
Aluminum				
Asbestos				
Copper				
Crushed Rock				
Diamonds				
Gold				
Iron Ore				
Lead				
Lithium				
Phosphate Rock				
Rare Earth Elements				
Titanium				

## Explanation for any rock or mineral resources that can be considered an impending individual mineral crisis

Resource	Explanation - Impending Mineral Crisis
Aluminum	
Asbestos	
Copper	
Crushed Rock	
Diamonds	
Gold	
Iron Ore	
Lead	
Lithium	
Phosphate Rock	
Rare Earth Elements	
Titanium	

**Part 2** - State which rock and mineral resource Wiki was your favorite in terms of informational content and in terms of presentation. You can select one Wiki for both categories or different Wikis for each category. Briefly explain why you picked that Wiki.

Favorite Wiki - Content =

Explanation =

Favorite Wiki - Presentation =

Explanation =

# Rubric

Category	Points Possible	Insufficient	Proficient	Advanced
<b>Evidence of Reflective Thinking</b>	6	Written response gives little to no evidence of which rock or mineral resource involves an impending mineral crisis. (0 - 1 points)	Written response gives adequate evidence of which rock or mineral resource involves an impending mineral crisis. (2 - 4 points)	Written response gives excellent evidence of which rock or mineral resource involves an impending mineral crisis. (5 - 6 points)
<b>Favorite Wiki - Content and Presentation</b>	2	Written response gives little to no evidence of which wiki was their favorite. (0 points)	Written response gives adequate evidence of which wiki was their favorite. (1 point)	Written response gives excellent evidence of which wiki was their favorite. (2 points)
<b>Mechanics</b>	2	Written response shows numerous problems with mechanics such as spelling errors, grammatical errors, or awkward expression causing confusion to the reader. (0 points)	Written response shows only minimal problems with mechanics such as spelling errors, grammatical errors, or awkward expression causing confusion to the reader. (1 point)	Written response shows standard English mechanics and grammar and clear expression. (2 points)

**Total Possible Points: 10**