

Minerals in Your World: Mineral Resources and Mineral Commodity Research Geology 1P	Mr. Traeger
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Name: _____ Period: _____ Date: _____

Purpose

The purpose of this exercise is to become more familiar with the uses of minerals, their effects on our economy and infrastructure, and the ways in which they are mined. Please see the class website internet investigations section for the links for this assignment.

Materials

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| ▪ Internet Investigations Page for Research | ▪ Writing Apparatus and Computer |
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Part 1: The Mineral Resources Baby and Per Capita Use of Minerals

1. View the Mineral Resources Baby and Per Capita Use of Minerals graphics. Describe below in no fewer than 5 sentences what impression these graphics leave upon you.

Part 2: Geology and Natural Resource Development

Read the article and summarize mineral resource development by telling me what each of the following areas involves.

1. Exploration
2. Extraction
3. Processing
4. Refining
5. Manufacturing
6. Marketing

Part 3: The Earth: Nature's Storehouse

Read the article and summarize the following.

1. What are mineral resources?

2. How are mineral resources distributed throughout the Earth?
3. How are minerals resources used to supply food?
4. What products are made from mineral resources?
5. How do mineral resources contribute to the home and industry?
6. How are minerals used in transportation and communications?
7. How does the use and supply of resources differ among people and places?
8. What is the future of mineral resources in the world? Consider the source and author's stance and perspective when answering this.

Part 4: Minerals in your Life Fact Sheets

1. Pick one of the everyday items that you use and discuss what minerals go in to making that item.

Part 5: Minerals Database and USGS Commodities

Research one of the mineral commodities listed in the database. Tell me everything about that mineral resource like a basic description, sources of the mineral resource, uses of the mineral, substitutes for the mineral resource, and general background. This models the format for the mineral database. You should also use the USGS Commodities Site Mineral Commodity Summaries and Minerals Yearbook to make your assessment complete. This assessment should be no fewer than two pages, 1.5 spacing, 1 inch margins, and no greater than size 12 Times New Roman font. Attach the additional pages to this sheet.