

Minerals in Your World

Earth Science

Mr. Traeger

Name: _____ Period: _____ Date: _____

Partner's Name: _____

Purpose

The purpose of this exercise is to become more familiar with the uses of the minerals in your mineral identification kits. You will do research on the [Minerals in Your World](#) application to find out more about each mineral, how it is used, and the locations you would expect to find your mineral in the United States. You can access [Minerals in Your World](#) by logging on to a school computer. Double click My Computer. Double Click on Studentwork on the desktop. Double click on the Traeger folder. Double click on Assignment Templates Read Only. Double click on the folder entitled minerals_in_your_world. Double click on data_double_click_internet_explorer_icon. Double click MINERALS (D) folder. Double click on index. The program should load in Internet Explorer.

Materials

▪ Minerals in Your World Website	▪ Pencil
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Part 1: Uses and Occurrences for Minerals in the Lab Kits

1. Using the [Minerals in Your World](#) website, your job is to find out what each of the minerals in your mineral kit is used for. Please fill out the grid below.

Mineral Number and Name	Uses For This Mineral	Locations/Occurrences Where This Mineral is Found
1. Olivine		
2. Aluminum (Bauxite)		
3, 11, 12 Quartz (Sand & Gravel, Silicon, Crushed Stone)		
6. Graphite		
8. Halite (Salt)		
4, 10, 24. Amethyst, Turquoise, Malachite (Gemstones)		

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Mineral Number and Name	Uses For This Mineral	Locations/Occurrences Where This Mineral is Found
13. Fluorite (Fluorspar)		
14, 20, 22. Hematite & Magnetite (Iron)		
16. Calcite (Calcium) (Lime/Limestone)		
17. Talc		
18. Feldspar		
19. Gypsum		
21. Galena (Lead)		
23. Chalcopyrite (Copper)		
25, 26 Muscovite, Biotite (Mica)		

Part 2: Examples of Where Minerals are Used Essay

Your job for part 2 is to imagine a day in your life and the manufactured items that you use every day. Look at the ~~Examples of Where Minerals are Used~~ part of the website and identify at least **four** items that you use in a day. Describe how you use those items and detail the elements/minerals/rocks involved in making each item. Your short report must be in ESSAY form written on a separate sheet of paper or word processed using MS Word.