

## 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 and uses of other minerals of your own choosing. 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 E:\chsnov2\Vol1q(T:). 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. **This assignment must be done at school, as this database is not available online.**

**Materials**

▪ Minerals in Your World Database	▪ 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 some of the minerals in your mineral kit are used for and what 5 minerals of your own choosing are used for. Pick **5** of the minerals listed below and **5** minerals of your own choosing to research Please fill out the grid below.

Mineral Number and Name (Pick a total of 5 minerals from the list below to research <b>and</b> 5 minerals of your own choosing to research (total of 10 minerals)).	Uses For This Mineral	Locations/Occurrences Where This Mineral is Found
<b>Minerals in the Identification Kits</b> 1) Olivine, 2) Aluminum (Bauxite), 3, 11, 12) Sand & Gravel, Silicon, Crushed Stone, 6) Graphite, 8) Halite, 4, 10, 24) Amethyst, Turquoise, Malachite (Gemstones), 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)		

<b>Minerals in Your World</b>		
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<b>Mineral Number and Name (Pick a total of 5 minerals from the list below to research <u>and</u> 5 minerals of your own choosing to research (total of 10 minerals).</b>	<b>Uses For This Mineral</b>	<b>Locations/Occurrences Where This Mineral is Found</b>

**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.