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# WEBELOS GEOLOGIST

Webelo Name: \_\_\_\_\_

Troop/Den #: \_\_\_\_\_

Date: \_\_\_\_\_

**REQUIREMENT #1: Collect five geological specimens that have important uses.**

**WEBELOS WILL RECEIVE A COLLECTION OF 12 SPECIMENS.  
(The California Rockhound Collection).**

**CHOOSE 5 FROM THOSE TO IDENTIFY THEIR IMPORTANT USES.**

1.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

5.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**REQUIREMENT#2: Rocks and Minerals are used in metals, glass, jewelry, road-building products, and fertilizer. Give examples of minerals used in these products.**

**USES OF MINERALS USED IN THE FOLLOWING PRODUCTS:**

**Metals:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Glass:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Jewelry:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Road-Building  
Products:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Fertilizer:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**REQUIREMENT #3: Make a scale of mineral hardness for objects found at home. Show how to use the scale by finding the relative hardness of three samples.**

1.) Quartz: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2.) Fluorite: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3.) Selenite  
(Gypsum): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**REQUIREMENT #5: Describe what a fossil is. How it is used to tell how old a formation is? Find two examples of fossils in your area.**

**DEFINITION:**

**Fossil:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**1<sup>st</sup>**  
**Fossil:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**2<sup>nd</sup>**  
**Fossil:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**HOW DO THEY HELP IN UNDERSTANDING HOW OLD A FORMATION IS?**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_