**Hunting the Elements** Video NOVA

(You can find this on YouTube and answer the questions on your own)

1. The video shows just how difficult it is to extract gold from the ground.
List a few facts to prove just how rare this really is.
2. How can copper be so important to our world?
3. How can you make copper more rigid? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What did David see when he looked at the atoms of the bronze?
5. Can he see the interior of the atom? \_\_\_\_\_\_\_\_\_\_
6. Which types of elements are most prevalent in the periodic table? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Where are the non-metals? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. How did Mendeleyev arrange his first periodic table?
9. What is so different about the last column (18) in the periodic table?
10. What does chlorine need to become stable? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. What element can combine with almost all of the other elements? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. What kind of explosive was greater and faster than ammonium nitrate?
13. What elements are commonly found in all living things?

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1. What element was David trying to extract from urine? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What are some of the things that can happen to the human body if it doesn’t get the right amount of trace elements?