5.3 Metal Extraction May 20, 2019

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Define the vocabulary words and answer the questions.

1. Native metal –
2. Uncombined–
3. Ore–
4. What do the most common ores contain?
5. Extraction–
6. Reducing agent–
7. What is the common ore of Al?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. What is the common ore of Fe?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. What is the common ore of Pb?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. What is the common ore of Ca?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. What is the common ore of Cu?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. What types of ores can be released by heating?
13. Which metals can be extracted using heating with carbon?
14. What is electrolysis?
15. How is electrolysis used to extract metals?
16. Which metals are extracted using electrolysis?
17. Which types of metals are found in the native state.
18. Why can the metals discussed in number–14 be found in the native state?