

The World of Chemistry

Episode 19—Metals (10 pts)

Name _____

Period _____

Answer the following questions as you watch the video. Note the approximate time in the video that the topic was addressed on the blank in front of each question number (ex 15:30—means 15 min and 30 seconds into the video)

Time

- _____ 1. What fraction of the elements on the periodic table are metals?
- _____ 2. What are some physical properties of metals?
- _____ 3. In general, what happens to metals in chemical reactions?
- _____ 4. What happens in the thermite reaction?
- _____ 5. What are some uses of the thermite reaction?
- _____ 6. What is meant by "delocalized" electrons?
- _____ 7. What materials are needed to produce iron?
- _____ 8. What is meant by a reducing agent?
- _____ 9. What are two methods of reducing ores to pure metals?
- _____ 10. How much energy is required to recycle aluminum as compared to forming new metal?
- _____ 11. What is an alloy? List some common examples.