

# The World of Chemistry

## Episode 7 —The Periodic Table (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 two types of properties are described in the video?
- \_\_\_\_\_ 2. What are some examples of physical properties?
- \_\_\_\_\_ 3. How many elements are on the modern periodic table? How many of these can be found in nature?
- \_\_\_\_\_ 4. Why do the symbols for some elements (such as iron) seem to have no relationship to their name?
- \_\_\_\_\_ 5. What is meant by the atomic number of an element? What is the mass number of an element?
- \_\_\_\_\_ 6. Elements in the periodic table are arranged by increasing \_\_\_\_\_ number.
- \_\_\_\_\_ 7. What is a group of elements? a period?
- \_\_\_\_\_ 8. What are the ingredients used in the making of glass? What determines the color of glass?
- \_\_\_\_\_ 9. What are alkali metals? Describe their reaction with water.
- \_\_\_\_\_ 10. Explain how Glenn Seaborg rearranged the periodic table.

