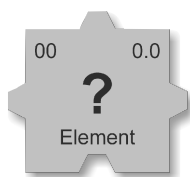
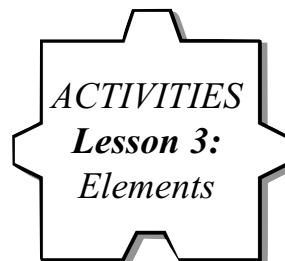


Name: _____

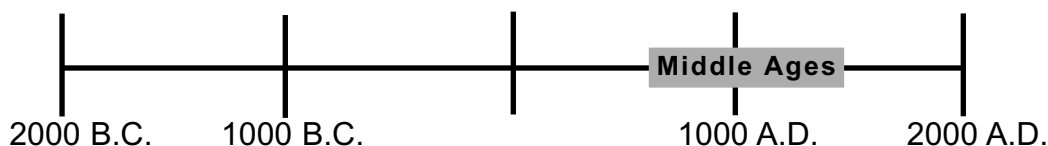
Date: _____ Grade: _____



The Man Who Defined an Element



You are making progress! Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.



1. According to the time line above, the Middle Ages were approximately between:
_____.
(a) 2000 B.C. and 1000 B.C. (c) 600 A.D. and 1400 A.D.
(b) 1400 B.C. and 600 B.C. (d) 1900 A.D. and 2000 A.D.
2. Robert Boyle lived: _____.
(a) in ancient Greek times (c) during the Great Depression
(b) after the Middle Ages (d) during the Primitive Ages
3. The Greeks were noted for their skill at experimentation.
(a) True or (b) False
4. Aristotle was a(n): _____.
(a) Egyptian alchemist (c) physician
(b) Greek natural philosopher (d) chemist
5. A chemical _____ is a pure substance, which cannot be broken down into any simpler substance by chemical means.
6. An element has atoms of only one type.
(a) True or (b) False
- *7. A _____ contains atoms of two or more different elements in a chemical union.
- *8. Galena can be broken down into lead and sulfur, which shows that it is a(n): _____.
(a) compound (b) element (c) atom (d) neutron
9. Gold is an element.
(a) True or (b) False
10. The *Royal Society* was a secret organization dedicated to making gold.
(a) True or (b) False

Name: _____

Date: _____ Grade: _____

*11. The ones most likely to do experiments were: _____.

- (a) ancient Greek *philosophers* (c) clowns
- (b) members of the Royal Society (d) animal trainers

12. *Phosphorus* is an element.

- (a) True or (b) False

*13. The chemical symbol for phosphorus is _____.

14. Robert Boyle used phosphorus and sulfur to make: _____.

- (a) gold (b) gunpowder (c) the first match (d) the first boiler

*15. Phosphorus is more likely to be used to: _____.

- (a) be beaten into sheets to cover an important book
- (b) be drawn into long thin wire
- (c) make fireworks
- (d) cover gold

16. Write the **Life Principle**: “_____.”
_____.