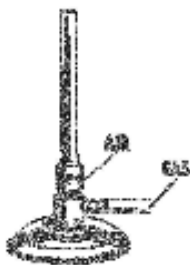


Quiz #2

Directions: For each of the following, choose the letter of the BEST answer and mark it onto your scantron sheet.

1. Which of the following about chlorofluorocarbons is TRUE?
 - A. It is made by humans.
 - B. It is toxic.
 - C. It is naturally occurring
 - D. It is unstable.
2. Which of the following appliances *increase* CFCs in the atmosphere?
 - A. Refrigerators
 - B. Washing machines
 - C. Televisions
 - D. Microwave ovens
3. In order to turn the gas on in the lab, should the handle be.....
 - A. perpendicular to the tube
 - B. straight in line with the tube
 - C. in between perpendicular and straight in line

4. What is the name of this burner?
 - A. fischer burner
 - B. brown burner
 - C. natural gas burner
 - D. bunsen burner
 - E. propane burner

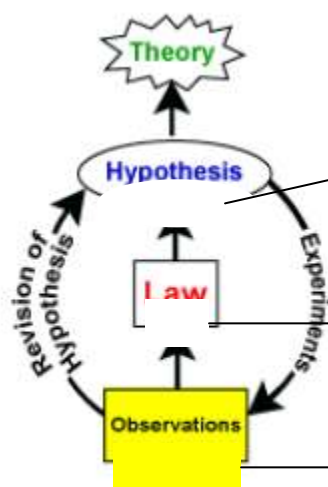


5. On a gas burner, what is the *hottest* part of the flame?
 - A. bottom of the inner blue cone
 - B. top of the inner blue cone
 - C. orange part of the flame
 - D. outer side edges of the flame
6. Which of the following is the best definition of a *scientific law*?
 - A. all encompassing explanation of scientific phenomena
 - B. the same essential concept as a hypothesis
 - C. is never supposed to be broken
 - D. concise summary of observations
7. Mass is preferred as a measurement over weight for each of the following reasons. But, one is WRONG – which is it?
 - A. Mass is has the same value everywhere on Earth.
 - B. Mass is independent of gravitational forces.
 - C. Mass becomes less in outer space, farther from Earth.
 - D. Mass is a constant measure of the amount of matter.

8. Antoine Lavoisier carried out a series of experiments which demonstrated:
- the law of conservation of mass
 - the law of gravity
 - the law of equal proportions
 - the theory of relativity
 - none of the above
9. From the Thinkwell notes, which of the following is defined as “an all-encompassing explanation for how an idea, concept or operation works”?
- scientific law
 - hypothesis
 - scientific theory
 - observation
10. From your textbook reading, in an experiment, the variable that changes as a result of what you do is you called the:
- graph variable
 - table variable
 - independent variable
 - constant variable
 - dependent variable
11. From your textbook reading, which of the following is best described by “visual, verbal, mathematical explanation of experimental data”?
- theory
 - law
 - control
 - model
 - conclusion
12. Which of the following branches of chemistry emphasizes the behavior and changes of matter and the related energy changes?
- organic
 - inorganic
 - physical
 - analytical
 - biochemistry

What are the words from the notes to the correct location for

- theory
- observations
- law
- hypothesis
- conclusion



Thinkwell scientific method class this concept map?

13.

14.

15.