

Name: _____

Hour: _____

THIS QUIZ is out of 35 pts.

Basics of Matter Vocabulary Review “POP” quiz

What’s ‘a MATTER?

Write the correct answer **NOT THE LETTER** on the line below:

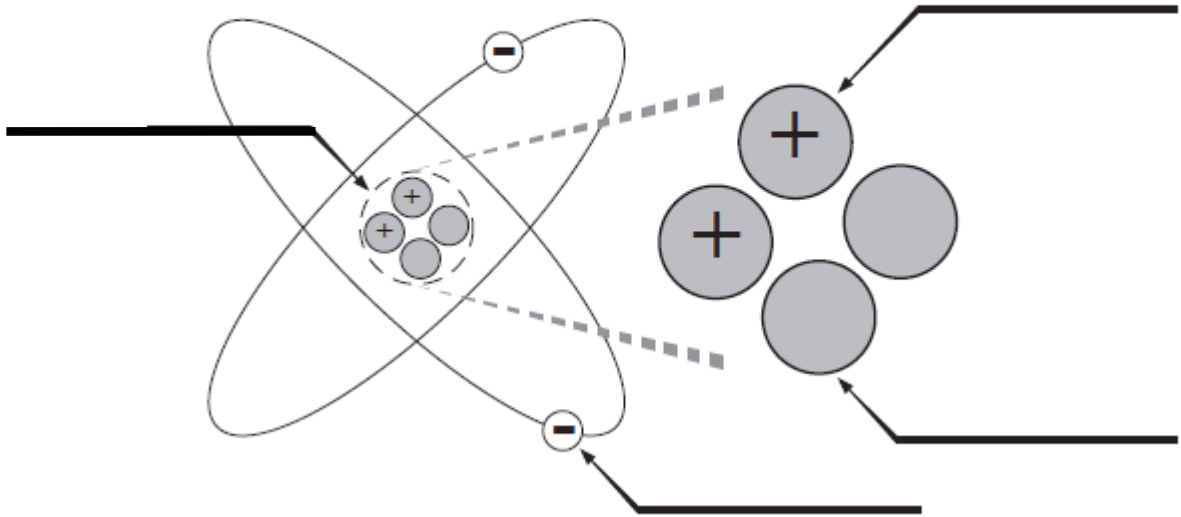
1. _____ A measure of the amount of matter in an object
2. _____ How much space an object (or matter) takes up
3. _____ The metric unit of measurement for **volume**
4. _____ Anything that has mass and takes up space; the “stuff” that makes up everything
5. _____ Metric unit to measure **mass**
6. _____ A measure of the amount (or force) of attraction between two objects
7. _____ A measure of how closely packed the molecules are in an object; the mass per unit volume
8. _____ The density of water (**bonus question**)
9. _____ The smallest unit of matter (the “building blocks” of matter)
10. _____ The center of an atom

- A. 1.0 g/ mL
- B. 9.8 N
- C. LxWxH
- D. Density
- E. Gram (g)
- F. Atom
- G. Gravity
- H. Mass ÷ volume
- I. Double scale
- J. Nucleus
- K. Mass
- L. Displacement
- M. mL and/or cm³
- N. Isotope
- O. Incorrect answer
- P. Balance
- Q. Matter
- R. Ounces
- S. Newton
- T. Electron
- U. Viscosity
- V. Proton
- W. Buzz Lightyear
- X. Volume

11. What scientific tool or instrument do we use to find the **MASS** of an object?

12. What is the formula we can use to find the volume of an object with a *regular* or rectangular shape?

Label the following parts of an atom as shown below: PROTON, NEUTRON, NUCLEUS, ELECTRON



ESSAY QUESTIONS (5 points each!)

*Choose any **two** of the following 4 essay questions.*

*Answer in complete sentences. **Only very complete, well thought out answers will receive full credit (plan to write AT LEAST 3 detailed sentences to explain EACH answer. It should be clear in your answer which essay question you have chosen...use vocabulary words in your answer.***

- A. **Explain** how knowing the density of an object can indicate if it will float or sink.
- B. If everything has gravity, why aren't two people pulled towards each other on the earth? **EXPLAIN**
- C. **Explain** how to use water displacement to find the volume of an object.
- D. Describe the relationship between gravity and weight, **and** explain the difference between weight and mass.

Continue on another sheet of paper if necessary