

Name _____
Date _____ Per _____

Chemistry Test (Part 1)

Multiple Choice: For the following questions, please circle the best answer. Each question has only one right answer (2 points)

1. In which state of matter do molecules have a definitive shape?

- A) Plasma
- B) Liquid
- C) Solid
- D) Gas

2. Which of the following would be considered an element?

- A) CO_2
- B) C
- C) H_2O
- D) J

3. The molecules in solids

- A) Vibrate
- B) Slide past each other
- C) Cannot move
- D) Move rapidly (zing)

4. The molecules in gases

- A) Vibrate
- B) Slide past each other
- C) Cannot move
- D) Move rapidly (zing)

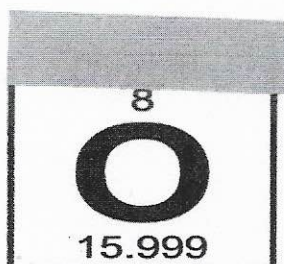
11. What is it called when a substance goes directly from a solid to a gas

- A) Melting
- B) Freezing
- C) Sublimation
- D) Evaporation

12. How do we find the number of neutrons?

- A) You look at the atomic number
- B) You look at the atomic mass
- C) Atomic mass minus atomic number
- D) Atomic number minus atomic mass

Use the following information to answer questions 13-17 (13-16 are 3 points each)



13. What is the name of this element?

14. What is the atomic number of this element? _____.

15. What is the atomic mass of this element? _____

16. How many valence electrons does this element have? _____

17. For 6 points, draw an atom of this element. Two points each for protons, neutrons and electrons.

18. What are the charges of a Proton, Neutron and Electron. (3 points)

19. List two properties each of Metals, Nonmetals and Metalloids. (6 points)

For the following statements, please write the **whole word** True or False. If the answer is False, please rewrite the statement below the original to make it correct. If you do not, you will lose one point per question. 2 points will be deducted for not writing the whole word. (2 points each)

_____ 20. Protons and electrons are found in the nucleus of the atom.

_____ 21. Electrons are shared in a covalent bond.

_____ 22. Each electron shell holds 8 electrons.

_____ 23. The Periodic Table is arranged by the element's atomic mass.

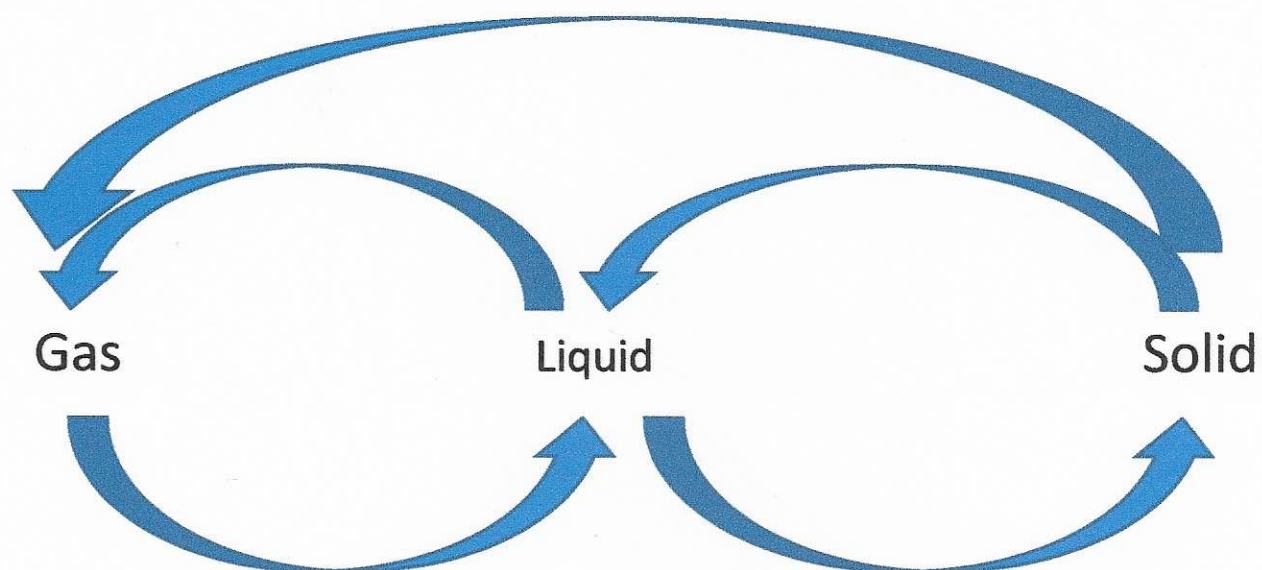
_____ 24. The atomic mass number will tell us how many protons are in the atom.

_____ 25. Columns on the periodic table are called groups or families.

_____ 26. When a substance moves from a gas to a liquid, it is called evaporation.

_____ 27. Atoms are made up of only one type of element.

28. Label the arrows on the diagram (5 points, 1 point each)



Write the following element symbols. (2 points each)

28. Manganese _____

29. Hydrogen _____

30. Phosphorus _____

31. Uranium _____

32. Potassium _____

33. Chlorine _____

34. Beryllium _____

35. Silver _____

36. Silicon _____

37. Cobalt _____

Write the element names for the given symbols (2 points each)

38. Mg _____

39. Au _____

40. He _____

41. C _____

42. B _____

43. Ar _____

44. Zn _____

45. Ne _____

46. Pt _____

47. Pb _____

EXTRA CREDIT: (3 points)

What is the name of the scientist that is credited for creating the first periodic table?