Mid	Term	Exam I	Reviev	v Shee	t #1
Due	Frida	y 1/26	Date	of the	exan

1. Define Element. Give an example.

simplest form of matter

2. Define Compound. Give an example

ta substance made of 2 or more elements

3. Define Homogeneous mixture. Give an example

Salt water uniform composition.

4. Define Heterogeneous mixture. Give an example

nonunitorm compostition, pizza

5. Define Homogeneous mixture. Give an example

6. What are intensive properties? Give an example.

don't depend on amount. Density, boiling

7. What are extensive properties? Give an example.

depends on amount, mass, volume

8. An object has a mass of 35 grams and a volume of 7.0 mL. What is it's density?

5 3/mL

9. What is the charge and location of protons, neutrons, and electrons? How much do they weigh?

of protons

11. How many protons does a Na atom have? How many electrons does a Na⁺¹ ion have?

12. How many electrons does a O⁻² ion have?

13. Define mass number

protons + neutrons

14. If you know the mass number and atomic number, how do you find the number of neutrons?

mass number - atomic number = # of neutrons

4 -	C (-	
15	LIGTING	isotope
	Dellite	ISOLUDE

16. Where do you find the atomic mass of an element?

17. What are the chemical symbols for the elements Sodium, Potassium, Calcium, Copper, Carbon, Na K Ca Cu C and Chlorine? CI

18. What are the names of the elements Fe, S, Mg, and I

19. What determines the location of an element on the Periodic Table?

20. How did Rutherford describe the nucleus?

21. What did J.J. Thomson discover? a loc tron

22. What is the correct name of the compound C2Cl4? dicarbon tetrachloride

NaFs

sadium sulfide 23. What is the correct name of the compound Na₂S?

24. What is the correct chemical formula for Magnesium Iodide?

25. What is the correct chemical formula for Trinitrogen Pentafluoride?

26. Define polyatomic ion. Give an example.

27. Which state of matter has constant volume and constant shape?

28. A certain substance has luster, conducts an electric current, and is malleable. What is this substance classified as? metal

Questions 29-32 Are the following: (A) physical changes; or (B) chemical changes:

29. souring of milk. 30. freezing water. 31. burning paper. 32. melting glass.

33. grinding coal to a powder 34. iron rusting. 35. hammering copper into a sheet.

- 1. In what column on the periodic table are the alkali metals?
- 2. In what column on the periodic table are the halogens?
- 4. What columns on the periodic table are the transition metals? 3-12
- 5. The elements in the periodic table are in order by what number? a fomic number
- 6. The vertical columns on the periodic table are called: QCOPS
- 7. The horizontal rows are called: Pariods
- 8. Elements with similar properties are placed in the same: 9 Voup
- 9. What element does the 3^{rd} period start with? N_a
- 10. What element does the 4th period end with?
- 12. How many electrons that can go in the second energy level (orbit) of an atom?
- 13. What does the dot diagram of a nitrogen atom look like?
- 14. How many valence electrons are there in a Fluorine (F) atom? 7
- 15. What is the correct name of the compound C₂Cl₄?
- 16. What is the correct chemical formula for Trinitrogen Pentafluoride?
- 17. What is the correct name of the compound Na₂S?
- 18. What is the correct chemical formula for Magnesium lodide?
- 19. Which is the electron configuration of a Sulfur atom?
- 20. Which is the electron configuration of a Sodium atom?

