

7th Grade Science Test (9/22) Review Questions

1. What's atomic number?
2. What's atomic mass number?
3. What is the name of the element with a symbol of Hg? Al? Si? Xe? H?
4. What's the name of the last family on the Periodic Table?
5. Which scientist came up our current model of the Periodic Table?
6. Which element has the lowest atomic number?
7. Given an atomic number of 12 and an atomic number of 30, how many protons, electrons, and neutrons are there in that element?
8. What is an isotope?
9. What is an alloy?
10. What properties do metals have?
11. What properties do non-metals have?
12. Why Alkali metals are very active?
13. What are valence electrons?
14. Why noble gases are inert?
15. What is a metalloid?
16. What's the name of the process of going from solid to gas? Liquid to solid? Liquid to gas?
17. What causes matter to change state?
18. How many quarks are needed to make a proton?
19. What do we call the gas form of water?
20. What's the density of an object if the volume is 1000 cm^3 and the mass is 300 g?
21. What's the volume of an object if the density is 0.3 g/cm^3 and the mass is 100 g?
22. What's the mass of an object if the density is 1.6 g/cm^3 and the volume is 200 cm^3 ?
23. What chemical properties do Alkali Earth metals have?
24. What chemical properties do halogens have?
25. What chemical properties do transitional metals have?
26. What is ionization energy?
27. Na has very high chance to react with halogens. Why?
28. John Dalton came up with a model for the atoms, what's the name of the model?
29. Who discovered electrons?
30. What's the significance of gold foil experiment done by Ernest Rutherford?