

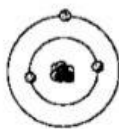
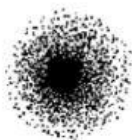
17. Balance $\text{H}_2 + \text{O}_2 \longrightarrow \text{H}_2\text{O}$

a. The reactants are: $\text{H}_2 \quad \text{O}_2 \quad \text{H}_2\text{O}$

b. The products are: $\text{H}_2 \quad \text{O}_2 \quad \text{H}_2\text{O}$

18. Draw a line to each model Bohr Model, Electron Cloud

a. Which one is the most modern? _____



19. Compare the modern model to the Bohr Model:

Property	Write 'Same' or 'Different'
The number of electron for the atom	
The mass of the atomic particles	
The shape of the nucleus	
The arrangement of the electron (the way they move)	
Electrons in energy levels	

20. Count the atoms in the formulas: $\text{C}_7\text{H}_5(\text{NO}_2)_3$, C - _____ H - _____ N - _____ O - _____

$\text{Ca}(\text{H}_2\text{PO}_4)_2$ Ca - _____ H - _____ P - _____ O - _____

a. $\text{C}_7\text{H}_5(\text{NO}_2)_3$ and $\text{Ca}(\text{H}_2\text{PO}_4)_2$ are examples of a(n) (**element, compound, mixture, abbreviation.**)

21. On the periodic table which elements are most like O – Oxygen: _____, _____, _____, _____. This is because they are in the same _____ or group.

22. A chemical change always produces a _____ and involves change in _____.

23. The Noble gases are the elements: _____, _____, _____, _____, _____, and _____, and are all non _____.

24. The Noble gases (**do, do not**) bond with the other elements because they have a _____ outer energy level.