WODSS SCIENCE

Name:	
Date:_	

Developing Models of Matter – Summary Note (What you really need to know!)

	Theory	Model	Analogy
1. Da	John Dalton 1808 matter is made of indivisible atoms each element has its own kind of atom with its own particular mass.		
2. Th	omson's Theory		
•	J.J. Thomson 1904 atom is a positive sphere with embedded negative electrons		
3. Ru	therford's Theory		
•	Ernest Rutherford 1911 atom has a small positive nucleus (with protons), which is surrounded by mostly empty space and rapidly moving electrons		
4. Chadwick's Theory			
•	James Chadwick 1932 discovered the neutron		
5. Bo	hr's Theory		
•	Niels Bohr 1921 electrons move around nucleus in orbits		