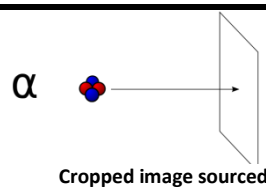
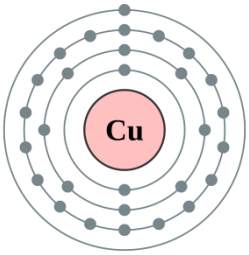
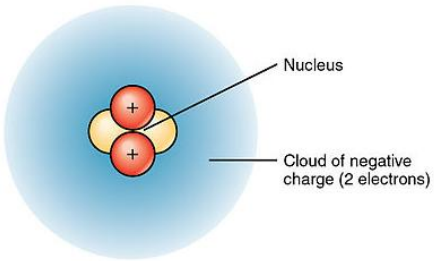
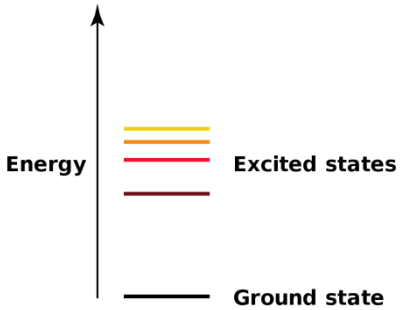
Name: _____ Period:_____ Date:_____

Models of the Atom Vocabulary – Teacher Edition

Hint	Term	Definition/Example/ Sample
 Cropped image sourced from: https://commons.wikimedia.org/wiki/File:Alfa_beta_gamma_radiation.svg CC-BY-2.5	Alpha particle	
 Unaltered Image sourced from: https://commons.wikimedia.org/wiki/File:Electron_shell_029_Copper_-_no_label.svg CC-BY-SA-2.0-UK	Electron	
 Cropped Image sourced from: Anatomy & Physiology, Connexions Web site. https://cnx.org/contents/FPtK1zmh@6.27:uC1BEgbn@4/Elements-and-Atoms-The-Building-Blocks-of-MatterCC- BY 4.0	Electron cloud model	
 By SVG: Hazmat2Original: Rozzychan - This file was derived from: Energylevels.png, CC BY-SA 3.0, https://commons.wikimedia.org/w/index.php?curid=35220791	Energy level	

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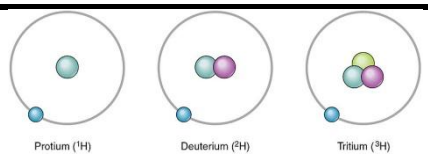
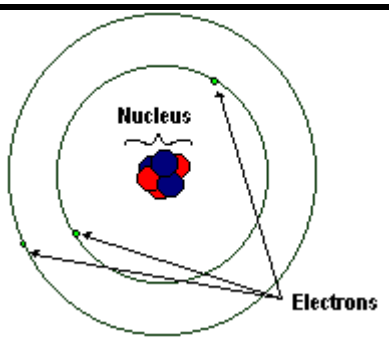
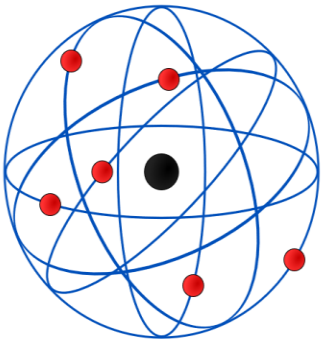
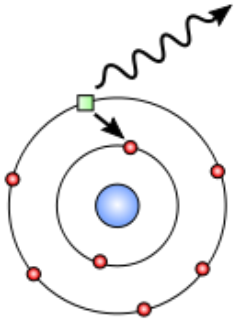
 Original Image sourced from: https://cnx.org/contents/FPtK1zmh@6.27:uC1BEgbn@4/Elements-and-Atoms-The-Building-Blocks-of-Matter CC-BY-3.0	Isotope	
 Image sourced from: https://commons.wikimedia.org/wiki/File:Simple_atom_(lithium).png CC-BY-SA-3.0	Neutron	
 Image sourced from: *The nuclear model of the atom.* *Image of Rutherford atom from Wikimedia Commons, CC-BY-SA-3.0.*	Nuclear Model	
 Image sourced from: https://commons.wikimedia.org/wiki/File:Sem_X_photon.svg CC-BY-SA-3.0-migrated	Photon	

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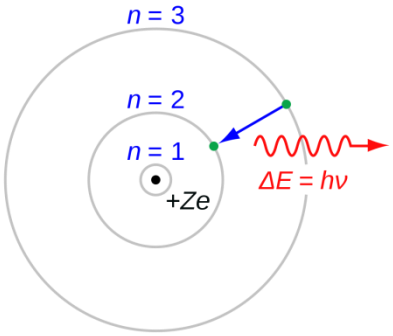
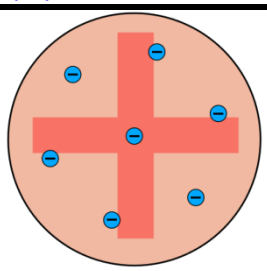
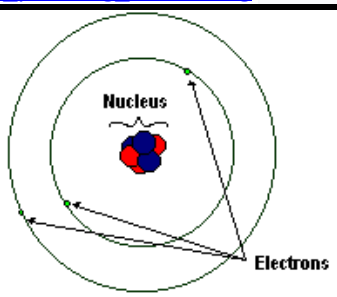
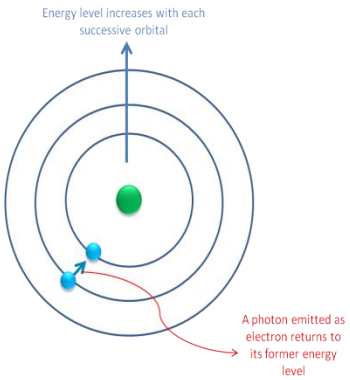
 By JabberWok, CC BY-SA 3.0, https://commons.wikimedia.org/w/index.php?curid=2639910	Planetary model	
 Image sourced from: https://commons.wikimedia.org/wiki/File:Plum_pudding_model.svg CC-BY-SA-4.0	Plum pudding model	
 Image sourced from: https://commons.wikimedia.org/wiki/File:Simple_atom_(lithium).png CC-BY-SA-3.0	Proton	
	Quantum model	

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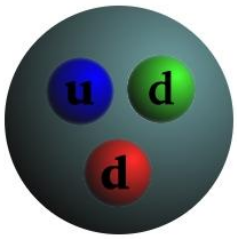 Image sourced from: https://commons.wikimedia.org/wiki/File:Neutron_quark_structure.jpg	Quarks	

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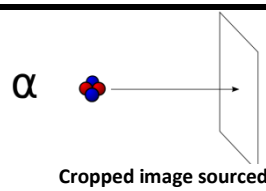
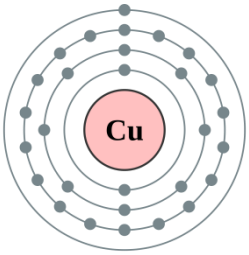
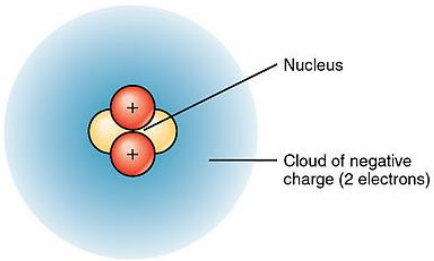
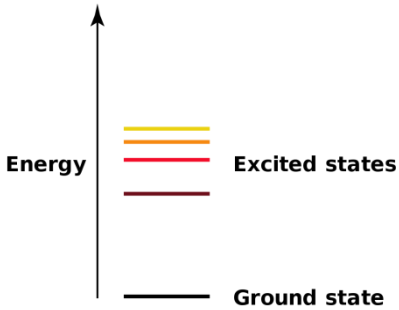
Models of the Atom Vocabulary – Teacher Edition

Hint	Term	Definition/Example/ Sample
 Cropped image sourced from: https://commons.wikimedia.org/wiki/File:Alfa_beta_gamma_radiation.svg CC-BY-2.5	Alpha particle	The nuclei of helium atoms
 Unaltered Image sourced from: https://commons.wikimedia.org/wiki/File:Electron_shell_029_Copper_-_no_label.svg CC-BY-SA-2.0-UK	Electron	The negatively charged particle found outside the nucleus of an atom.
 Cropped Image sourced from: Anatomy & Physiology, Connexions Web site. https://cnx.org/contents/FPtK1zmh@6.27:uC1BEgbn@4/Elements-and-Atoms-The-Building-Blocks-of-MatterCC- BY 4.0	Electron cloud model	Bohr's model which suggests that electrons are found in regions/energy levels.
 By SVG: Hazmat2Original: Rozzychan - This file was derived from: Energylevels.png, CC BY-SA 3.0, https://commons.wikimedia.org/w/index.php?curid=35220791	Energy level	Orbitals around the nucleus of an atom

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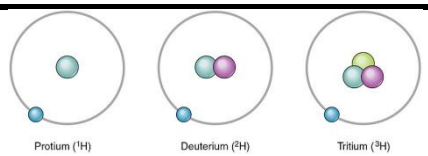
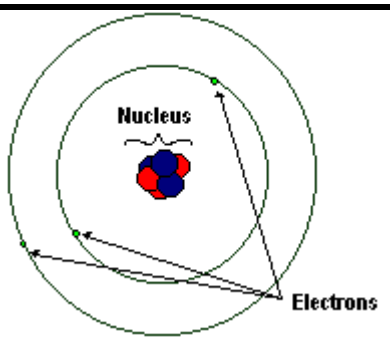
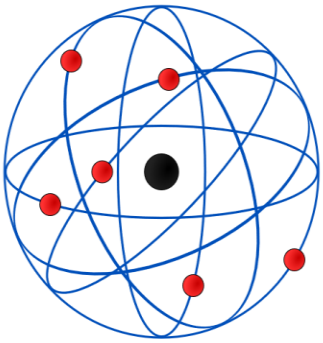
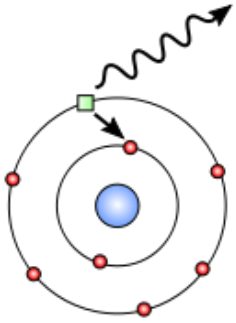
 Original Image sourced from: https://cnx.org/contents/FPtK1zmh@6.27:uC1BEgbn@4/Elements-and-Atoms-The-Building-Blocks-of-Matter CC-BY-3.0	Isotope	Atoms with the same number of protons and electrons, that differ in the number of neutrons they possess.
 Image sourced from: https://commons.wikimedia.org/wiki/File:Simple_atom_(lithium).png CC-BY-SA-3.0	Neutron	The subatomic particle which has no charge/is neutral
 Image sourced from: *The nuclear model of the atom.* *Image of Rutherford atom from Wikimedia Commons, CC-BY-SA-3.0.*	Nuclear Model	Rutherford's model of the atom which
 Image sourced from: https://commons.wikimedia.org/wiki/File:Sem_X_photon.svg CC-BY-SA-3.0-migrated	Photon	Energy which is emitted when an electron changes energy levels

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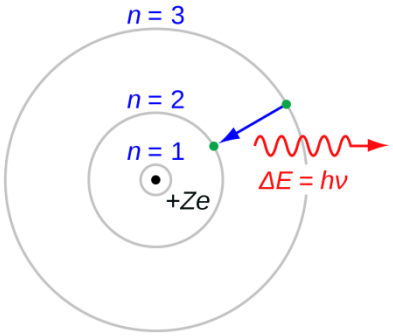
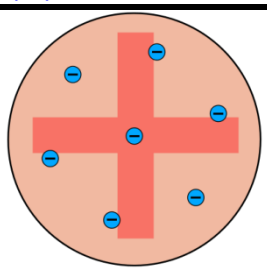
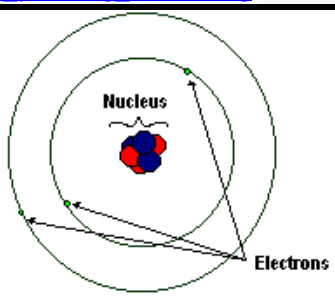
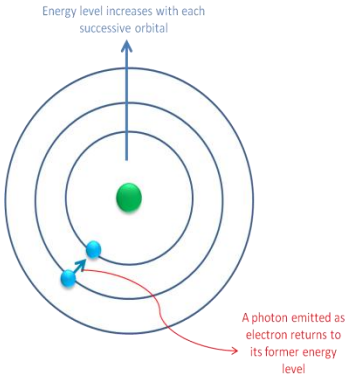
 By JabberWok, CC BY-SA 3.0, https://commons.wikimedia.org/w/index.php?curid=2639910	Planetary model	Bohr's model which suggested that electrons orbit the nucleus of an atom.
 Image sourced from: https://commons.wikimedia.org/wiki/File:Plum_pudding_model.svg CC-BY-SA-4.0	Plum pudding model	The model of the atom by J.J Thomson in which the atom was a sphere of positive charge with negative electrons embedded in it.
 Image sourced from: https://commons.wikimedia.org/wiki/File:Simple_atom_(lithium).png CC-BY-SA-3.0	Proton	The positive subatomic particle found in the nucleus of the atom.
	Quantum model	The model proposed by Schrodinger which suggests that quantum theory can be used to determine the distribution of electrons in an atom.

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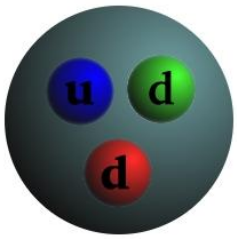 Image sourced from: https://commons.wikimedia.org/wiki/File:Neutron_quark_structure.jpg	Quarks	Particles found in the nucleus containing protons and neutrons.