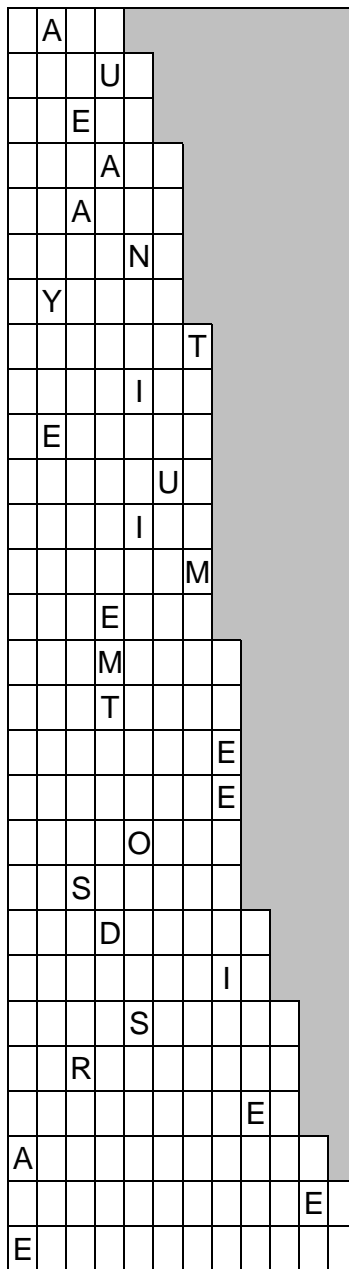


# ATOMS!



The \_\_ number is the total number of protons and neutrons  
 A group of electrons revolving around a nucleus forms an electron \_\_  
 The word atom is \_\_ for indivisible or uncuttable  
 \_\_ are solids at room temperature and conduct electricity and heat  
 Protons and neutrons are hadrons, made up of \_\_  
 Protons and neutrons are held together by \_\_ nuclear forces  
 The chemical \_\_ is a letter or pair of letters representing an element  
 An \_\_ is defined by the number of protons it has  
 Protons are subject to \_\_, electromagnetic, weak and strong forces  
 A \_\_ has similar mass as a proton, but without any charge  
 The \_\_ is the center of an atom  
 Particle \_\_ studies the matter and radiation of subatomic particles  
 \_\_ mechanics describes the observed properties of the atom  
 The \_\_ shell includes the electrons orbiting furthest from the nucleus  
 An element cannot be broken down by \_\_ means  
 \_\_ are atoms of the same element, but with different masses  
 A \_\_ consists of two or more joined elements, like H<sub>2</sub>O or CO<sub>2</sub>  
 An electron has a \_\_ charge  
 The \_\_ Table organizes elements in rows and columns  
 A proton has a \_\_ electrical charge  
 Dmitri \_\_ is often given credit for creating the Periodic Table  
 Protons, neutrons and electrons are \_\_ particles  
 The \_\_ was discovered in 2012 after 48 years of research  
 A period is the \_\_ row on the periodic table  
 Elements in columns share similar chemical \_\_  
 The Large Hadron Collider at CERN is the world's largest particle \_\_  
 The \_\_ is equal to the number of protons in the nucleus of an atom  
 An ion is an \_\_ charged atom or group of atoms



Enter unused letters from puzzle, in order:

\_\_ □ \_\_ □ \_\_ □ \_\_ □

□ \_\_ □ \_\_ □ \_\_ □ □

□ \_\_ \_\_ □ \_\_ □ □ \_\_

Copy boxed letters to form your hidden message:

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