

Name _____ Date _____ Hour _____

Physical Science Review Puzzle Section 16-1

Directions: Use your key terms and the reading from section 16-1 to complete the statements. Then find the words in the puzzle.

Atomic Structure

1. The _____ is the smallest particle of matter.
2. A subatomic particle found outside the nucleus is the _____.
3. While living in ancient Greece, _____ first proposed the existence of atoms.
4. The charge of a proton is _____.
5. British scientist Neils _____ created an atomic model with fixed orbits for the electrons around the nucleus.

Z S Q B U R Q G N B W I H O D
T U Z U O D U O A H U U S U A
E E T B B H S T T C V K O U T
L L X R H M R G H Q N L V P O
E C L U O F S F J E C A O E M
C U S H O N I I V N R S Y V Y
T N T W P R O T O N I F G P P
R I D E M O C R I T U S O C Z
O N B F L A T C I E W B J R M
N W O O H C M V Q F R K T G D
R I M R E Z E E G B Q D P L O
P Z C L T H E V I T A G E N N
D F E K B U C A F D P N V E Y
H O F S S J E Y F F W M U D G
Y P L T P K W N C A A K J S Q

6. Ernest _____ developed a model of the atom that had a defined nucleus, with electrons around it.
7. Another term for the center of the atom _____ contains neutrons and protons.
8. British scientist J.J. _____ developed an atomic model that looked much like a chocolate chip cookie, a positively charged ball with negative charges scattered around it.
9. Today we use the _____ model, electrons are in an undefined space around the nucleus.
10. The charge of an electron is _____.
11. The charge of a _____ is zero, it is also found in the nucleus of the atom.
12. A _____ is a subatomic particle found inside the nucleus, with a charge of +1.