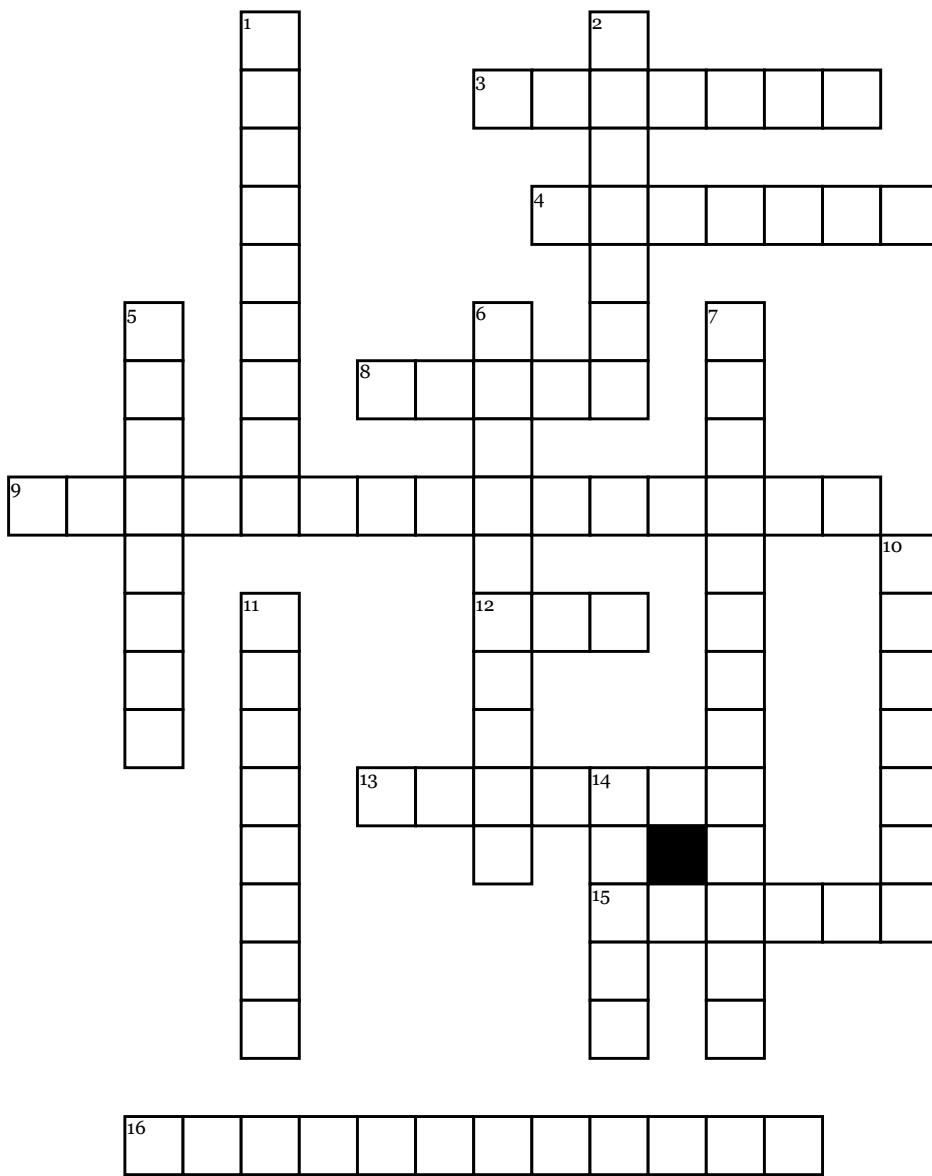


Structure of the Atom



Across

3. The particle of an atom that is neutral
 4. A pure substance that cannot be broken down into any other substance by physical or chemical means
 8. all elements are made of
 9. _____ created a periodic table in the 1860's where the elements were ordered by their atomic masses
 12. The unit for atomic mass
1. Created his atomic model in 1814
 2. the center part of the atom
 5. Protons have a _____ charge

13. _____ model represented a blueberry muffin / chocolate chip cookie

15. the greek word for invisible

16. the _____ is the number of protons and electrons in an element

Down

6. believed the atom was a solid, dense structure
 7. Pure substances are unevenly distributed throughout the mixture; you can see the different parts
 10. in an atom the number of _____ equals the number of electrons
 11. A pure substance made up of two or more elements chemically combined
 14. atoms are so _____ we cannot see them