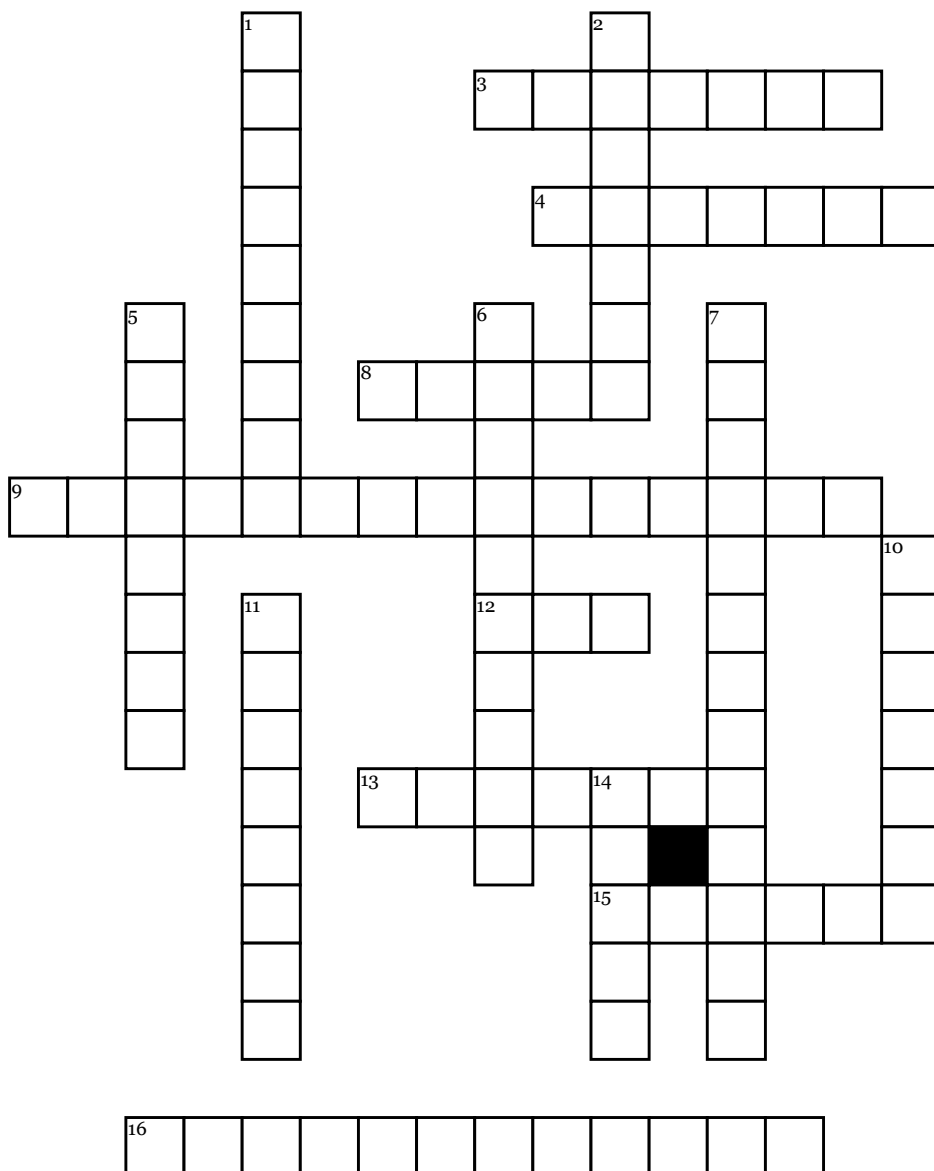


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# 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

**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

**1.** Created his atomic model in 1814

**2.** the center part of the atom

**5.** Protons have a \_\_\_\_\_ charge

**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