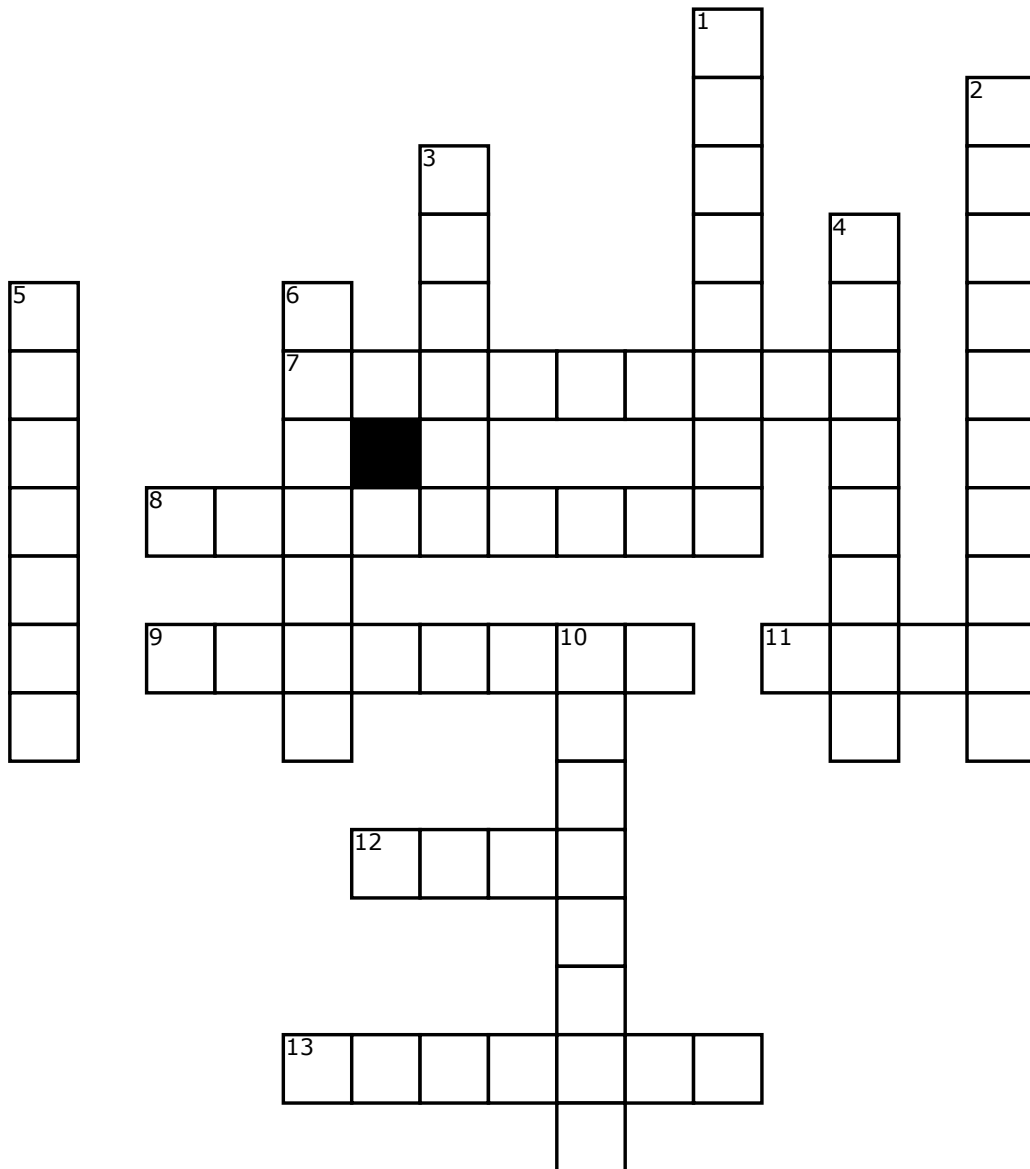


Atomic Structure



Across

- 7.** Property that DOES depend on the amount of matter present (length, volume)
- 8.** Property that DOES NOT depend on the amount of matter present (density, color)
- 9.** Atoms of the same element that have different masses
- 11.** Model that shows the protons, neutrons, and electrons shells of an atom

- 12.** You will multiply the percent abundance and the _____ of each isotope to determine the weighted fractions
 - 13.** Mass/ Volume
- Down**
- 1.** Charge of a proton
 - 2.** One of the scientists that discovered the atom was mostly empty space (from your timeline)
 - 3.** Determines the name of the element

- 4.** Negatively charged subatomic particle
- 5.** Element with the symbol, Ca
- 6.** Changing this particle creates an isotope
- 10.** He proved the existence of molecules and atoms with the help of a botanist