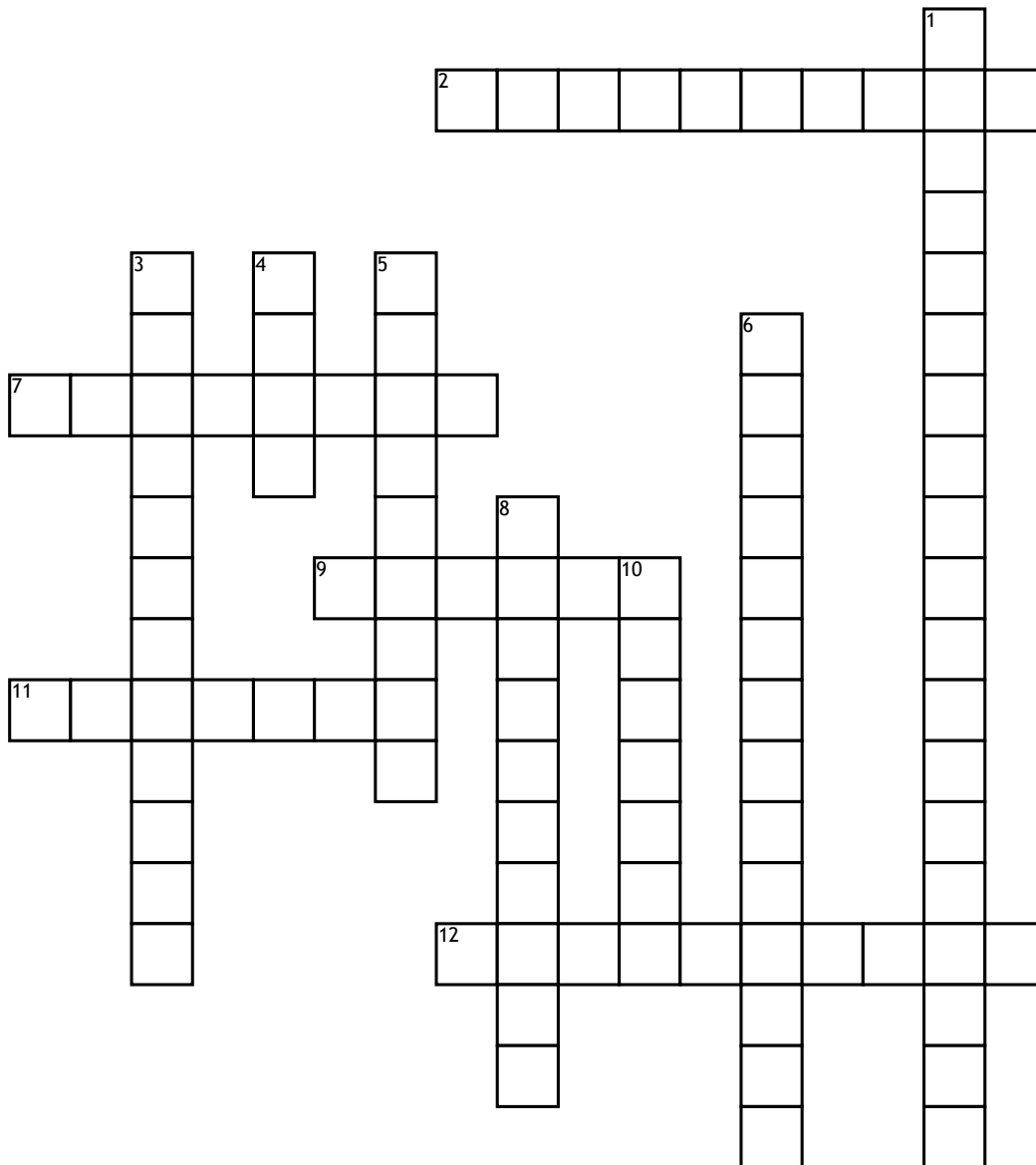


Chapter 4 Vocabulary



Across

2. Travels from the cathode to the anode
 7. atoms that have same number of protons but a different number of neutrons
 9. positively charged subatomic particles
 11. subatomic particles with no charge but with a mass nearly equal to a proton's

12. total number of protons and neutrons in an atom

Down

1. The theory that states all atoms are indivisible, and that atoms of the same element are identical.
 3. the number of protons in the nucleus of an atom
 4. the smallest particle of an element that retains its identity in a chemical reaction

5. Negatively charged subatomic particles

6. 1/12 of the mass of a 12 carbon atom
 8. weighted average mass of the atoms in a naturally occurring sample of the element
 10. the tiny central core of an atom composed of protons and neutrons