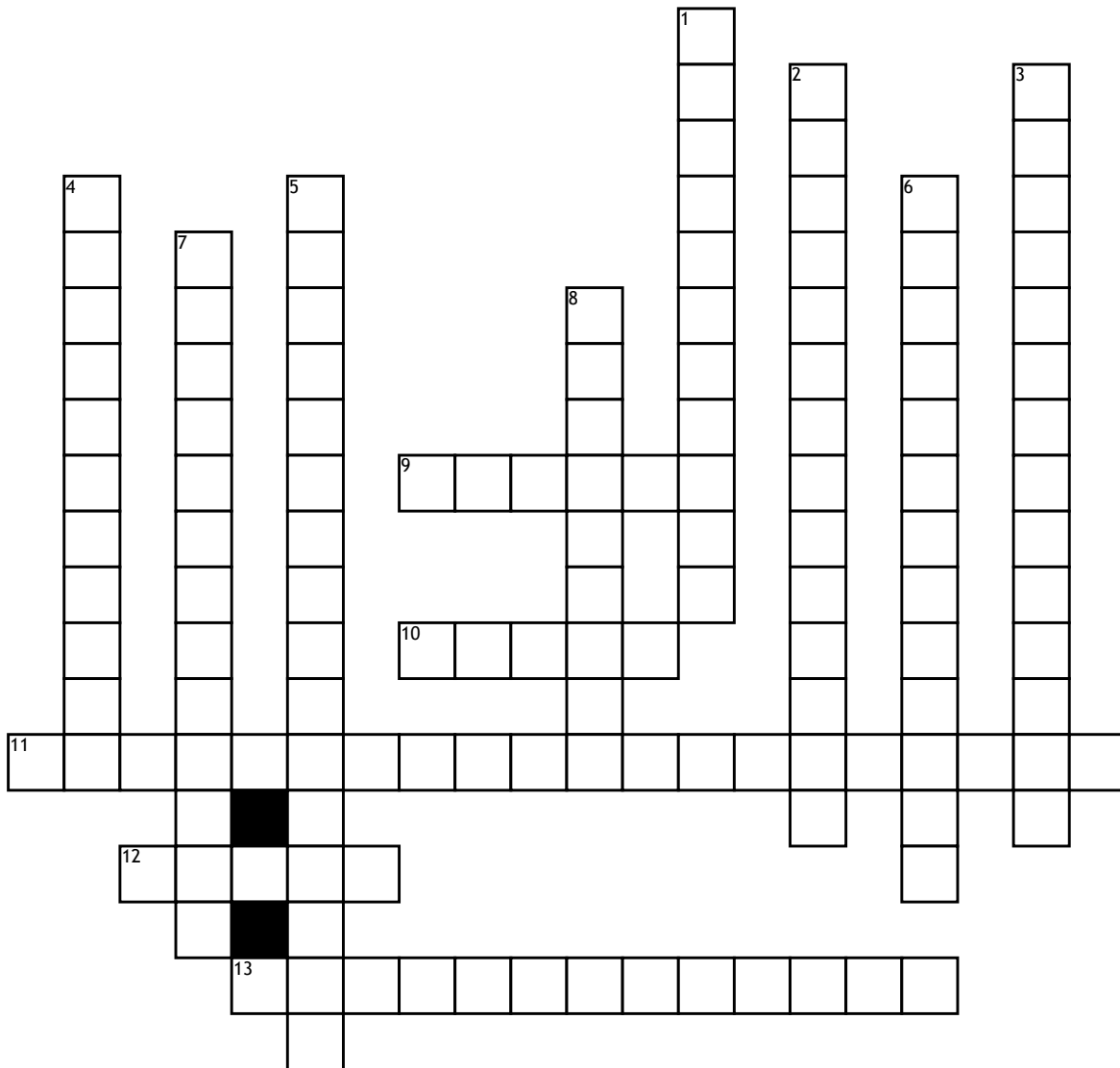


ion crossword



Across

- 9. positively charged ion
- 10. a mixture of elements that has metallic properties
- 11. the electrons present in the outer energy levels that are free to move
- 12. a negatively charged ion
- 13. the attraction of a metallic cation for delocalized electrons

Down

- 1. simplest ratio of the ions involved
- 2. a three dimensional geometric arrangement of particles
- 3. ions made up of more than one atom
- 4. an ionic compound whose aqueous solution conducts an electric current

- 5. propose that all the metal atoms in a metallic solid contribute their valence electrons to form a "sea" of electrons
- 6. the energy required to separate 1 mol of the ions of an ionic compound
- 7. compounds that contain ionic bonds
- 8. electrostatic force that holds oppositely charged particles together in an ionic compound