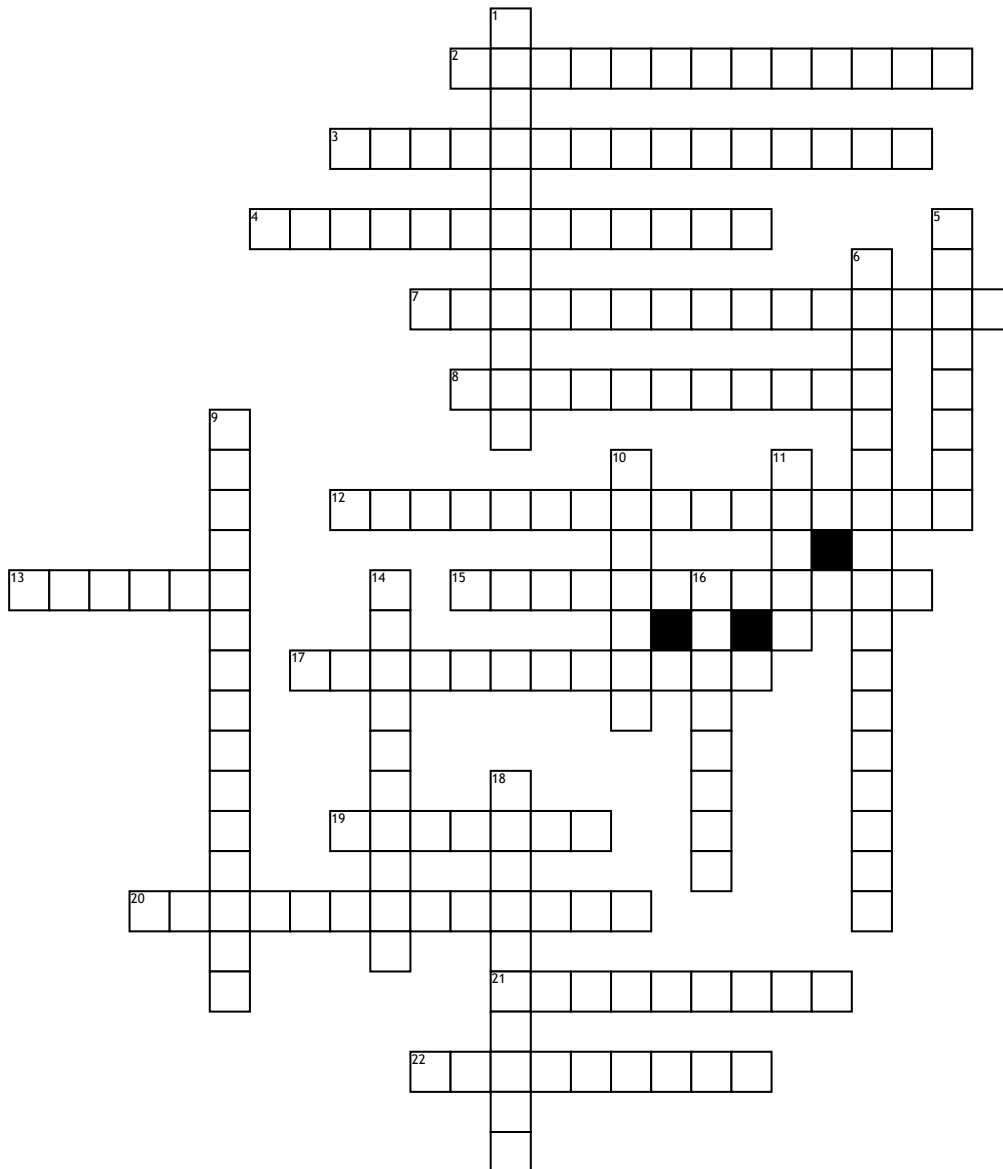


# Environmental Chemistry



**Across**

- 2. A chemical bond formed when two atoms share electrons
- 3. a lasting attraction between atoms, ions or molecules that enables the formation of chemical compounds.
- 4. Electons are shared equally with each other
- 7. Created the Periodic Table
- 8. An absorbtion of heat
- 12. an outer shell electron that is associated with an atom
- 13. a column of elements in the periodic table
- 15. The number of protons in the nucleus of an atom

- 17. the total distance from an atom's nucleus to the outermost orbital of electron.
- 19. subatomic particle found in the nucleus of every atom.
- 20. A table in which the chemical elements are arranged in order of increasing atomic number.
- 21. shows ALL subatomic particles
- 22. The attraction between oppositely charged ions

**Down**

- 1. energy required to remove an electron from a gaseous atom or ion.
- 5. Cannot be broken down into another substance

- 6. measure of the tendency of an atom to attract a bonding pair of electrons.
- 9. diagrams that show the bonding between atoms of a molecule and the lone pairs of electrons that may exist in the molecule.
- 10. a row of chemical elements in the periodic table
- 11. the basic units of matter and the defining structure of elements.
- 14. A release of heat
- 16. a subatomic particle found in the nucleus of every atom
- 18. Electrons are shared unequally with each other