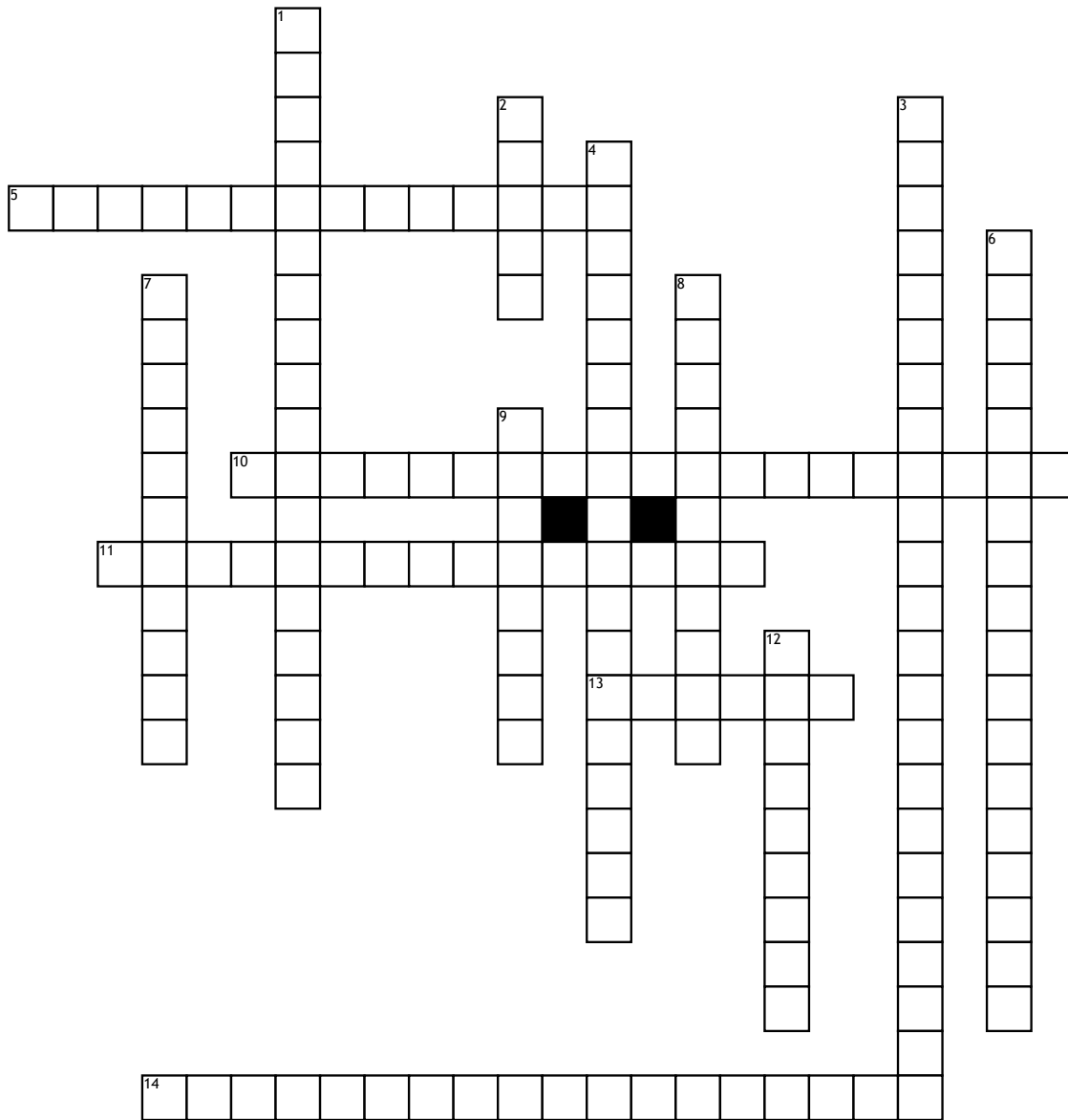


Bonding



Across

- 5. The description of the atomic structure of a crystal.
- 10. The force between two charged particles that is a result of the particles' charges.
- 11. Electrons in the outermost orbital of an atom.
- 13. A positively charged ion.
- 14. When two electrons are shared.

Down

- 1. When six electrons are shared.
- 2. A negatively charged ion.

- 3. A bond between two atoms in which electrons are shared to form full valance orbitals for both atoms.
- 4. A diagram that shows the valance electrons of an atom, and the bonding between atoms of a molecule.
- 6. When four electrons are shared.
- 7. The lowest whole number ratio of ions represented in an ionic compound.
- 8. A solution of dissolved ions that conducts electricity

- 9. A molecule is an electrically neutral group of two or more atoms held together by chemical bonds. Molecules are distinguished from ions by their lack of electrical charge.
- 12. A bond between two or more ions. A bond in which electrons are transferred, or stollen, from one atom to another in order to form ions.