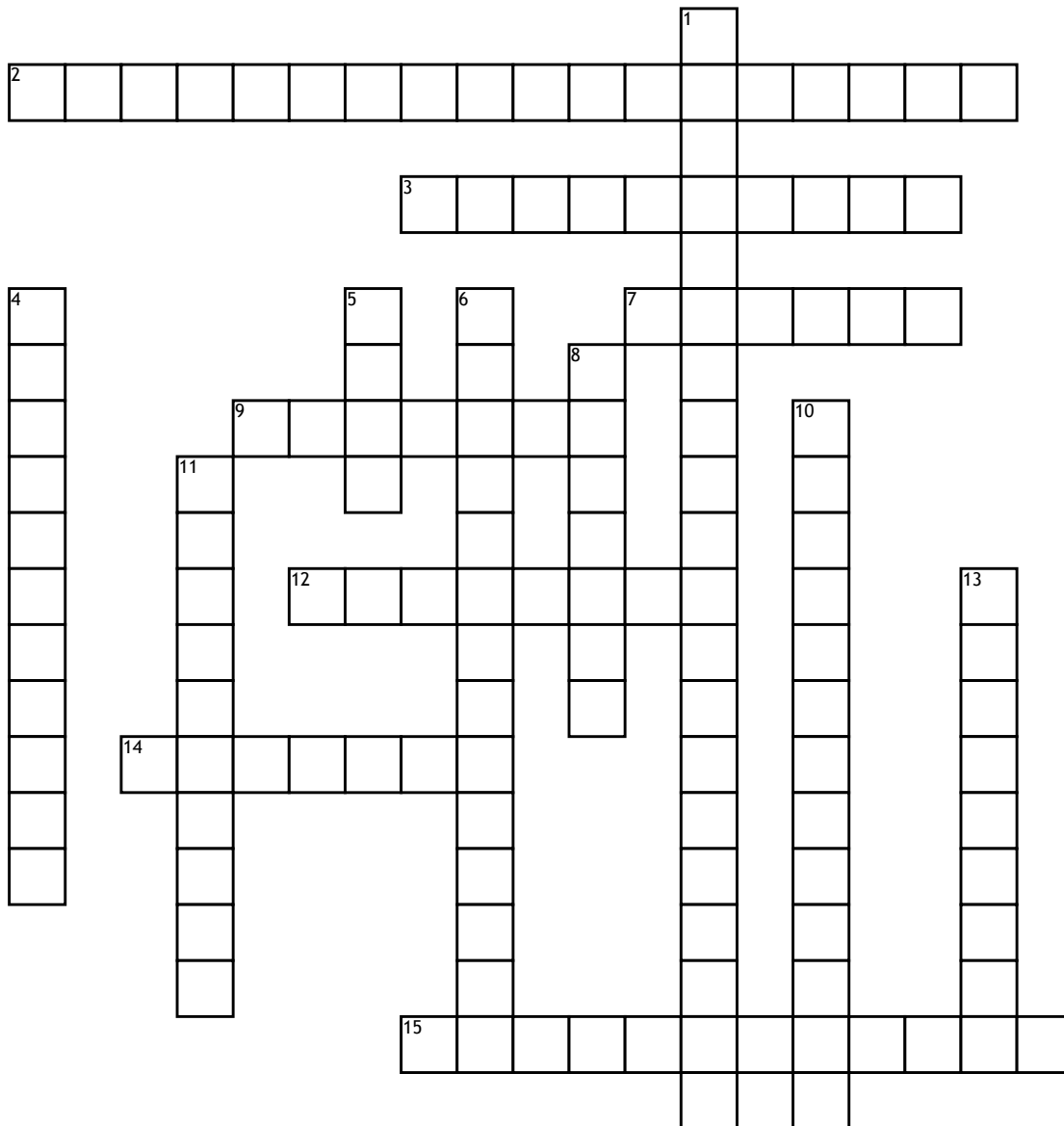


Chapter 11 Vocabulary



Across

- 2. force that pulls objects towards each other
- 3. the mass of an atom expressed in atomic mass units
- 7. subatomic particle found in the nucleus with a positive charge
- 9. an atom that has the same number of protons as other atoms of the same element but a different number of neutrons
- 12. subatomic particle that has a negative charge

- 14. an atom's central region made of protons and neutrons
- 15. the number of protons in the nucleus of an atom

Down

- 1. force that causes objects of the same charge to repel and objects with different charges to attract
- 4. the interaction that binds nucleons together in a nucleus
- 5. the smallest unit of an element that maintains the chemical properties of that element

- 6. a unit that describes the mass of an atom
- 8. subatomic particle found in the nucleus with no charge
- 10. a region around the nucleus of an atom where electrons are likely to be found
- 11. the sum of the number of protons and neutrons in the nucleus of an atom
- 13. force that plays a key role in the transformation of a neutron into a proton in an unstable atom