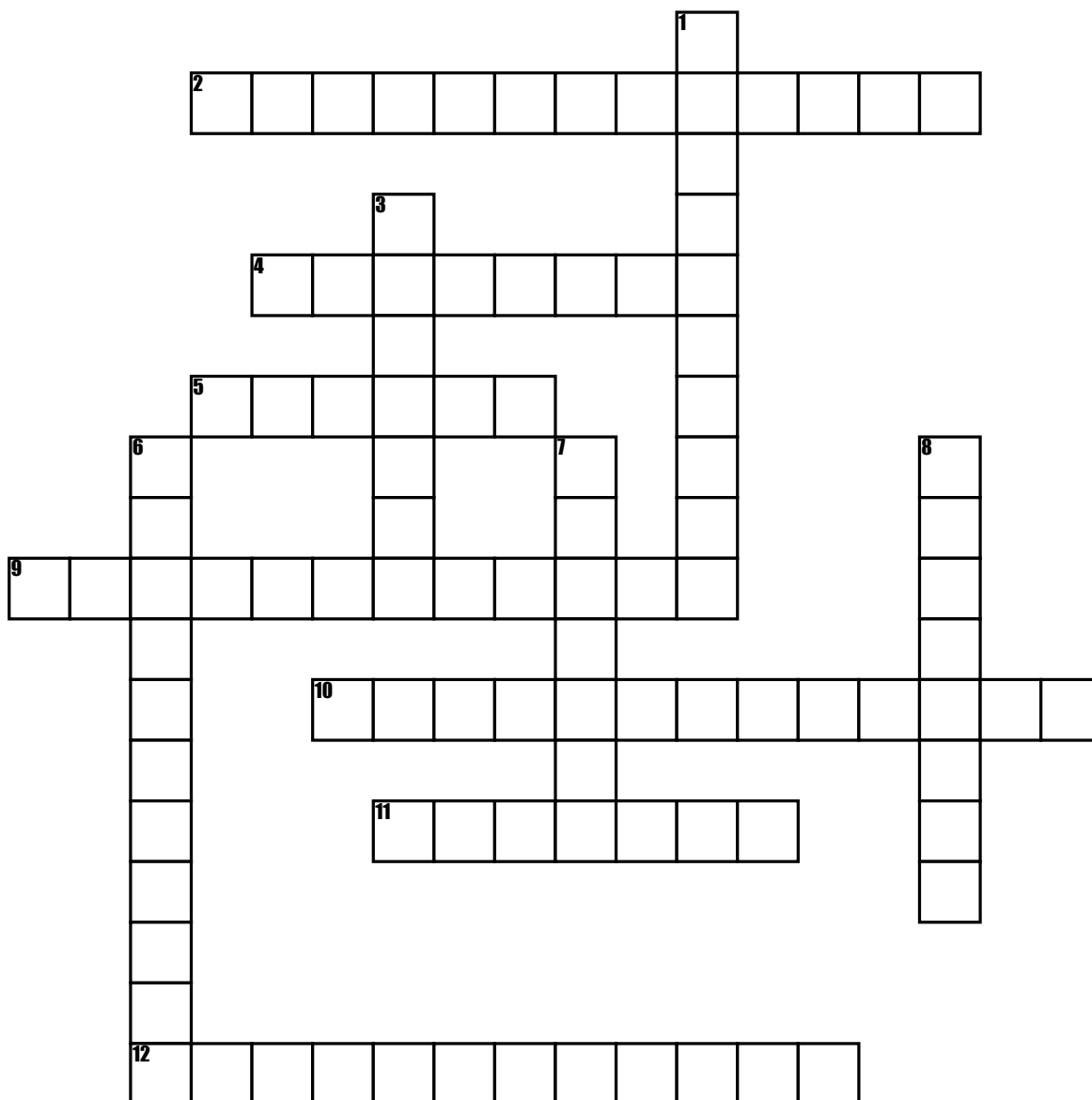


Chapter 4 Vocabulary



Across

- 2.** Electron _____ - The arrangement of electrons in the orbitals of an atom.
- 4.** a negatively charged subatomic particle that is found in the space outside the nucleus.
- 5.** a positively charged subatomic particle that is found in the nucleus of an atom.
- 9.** the atomic number of an element equals the number of protons in an atom of that element.

10. A visual model of the most likely locations for the electrons in an atom.

11. a dense, positively charged mass located in the center of the atom.

12. The possible energies that electrons in an atom can have.

Down

1. The mass number of an atom is the sum of the protons and neutrons in the nucleus of that atom.

3. a neutral subatomic particle that is found in the nucleus of an atom.

6. A state in which all the electrons in an atoms have the lowest possible energies.

7. A region of space around the nucleus where an electron is likely to be found.

8. Atoms of a given element that have different number of neutrons and different