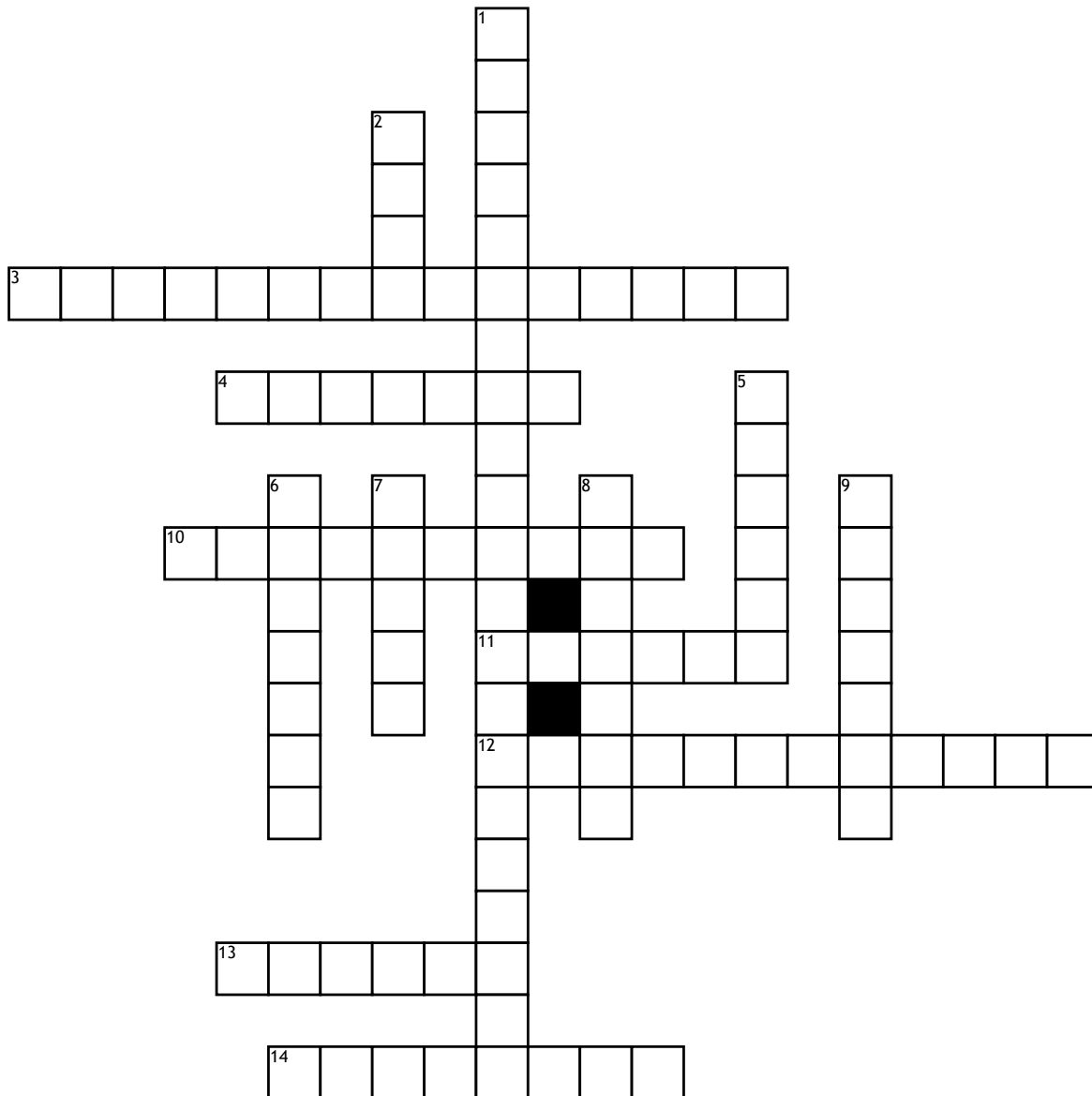


ATOMS



Across

3. an outer shell electron that surrounds the nucleus
 4. a pattern of electron density
 10. the total number of protons and neutrons in a nucleus
 11. a positively charged ion
 12. the number of protons in the nucleus of an atom
 13. a particle representing a quantum of light or other electromagnetic radiation

14. a stable subatomic particle with a charge of negative electricity

Down

1. a measurement used to measure the weight/mass of very small things, such as atoms or molecules
 2. a measurement used to measure extremely small things, such as molecules or atoms
 5. a stable subatomic particle occurring in all atomic nuclei

6. a form of an element that occurs when neutrons and protons are unequal in the atom's nucleus

7. a negatively charged ion; it would be attracted to the anode in electrolysis
 8. a subatomic particle of about the same mass as a proton but without an electric charge
 9. the positively charged central core of an atom