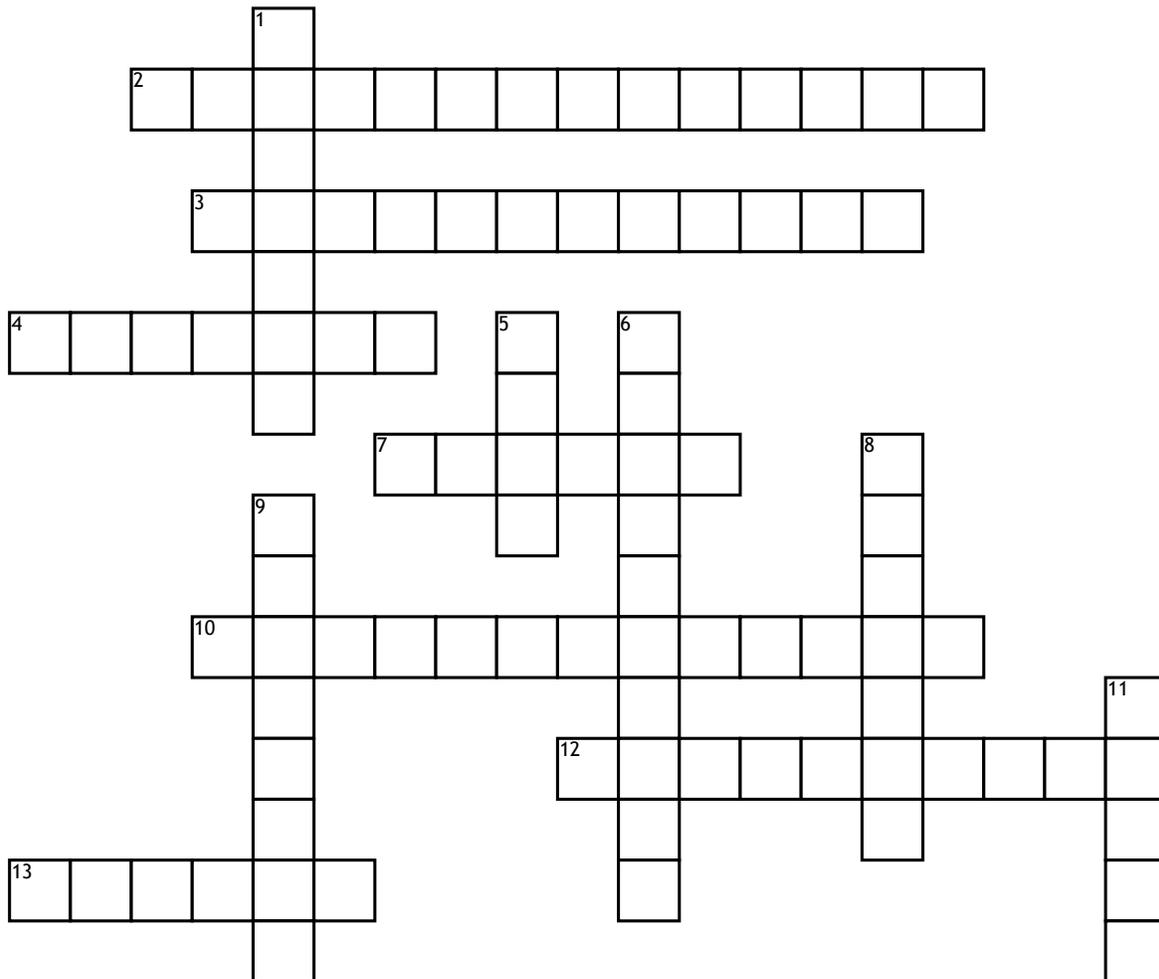


ATOMS AND THE PERIODIC TABLE



Across

2. A 1- or 2-letter representation of an element

3. This represents the number of protons in the nucleus of an atom

4. An atom with the same number of protons and a different number of neutrons from other atoms of the same element

7. A positively charged particle that is part of the nucleus of an atom

10. A chart of the elements showing the repeating pattern of their properties

12. The sum of the protons and neutrons in the nucleus of an atom

13. A series of elements organized in horizontal rows on the periodic table

Down

1. A small particle in the nucleus of the atom with NO electrical charge

5. The basic particle from which all elements are made

6. The average mass of all the isotopes of an element

8. The central core of the atom

9. Negatively charged particles of an atom

11. Elements in the same vertical column of the periodic table