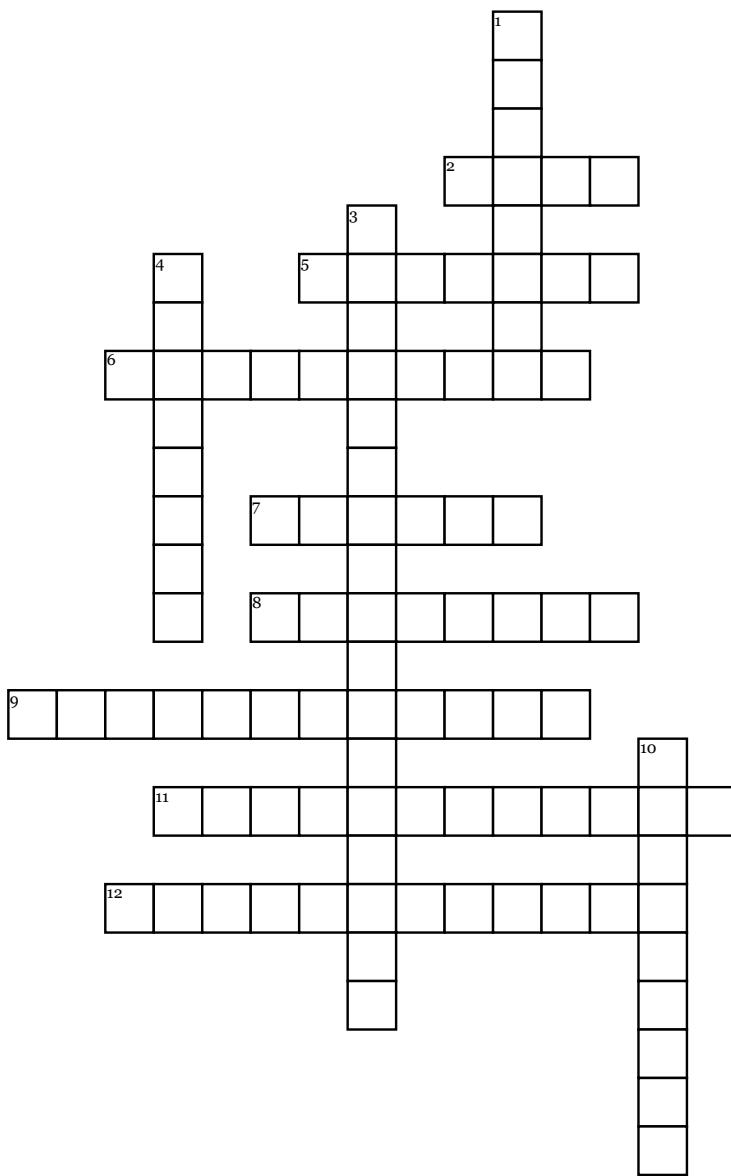


UNIT 4

**Across**

2. Physicist who made foundational contributions to understanding atomic structure and quantum theory

5. A substance that cannot be broken down into simpler components by any non-nuclear chemical reaction

6. Equivalent to the number of protons and neutrons in the atom

7. a stable subatomic particle occurring in all atomic nuclei, with a positive electric charge

8. A stable subatomic particle with a charge of negative electricity

9. a term used to describe the size of the atom

11. All matter is made up of tiny indivisible particles (atoms).

12. Any of the monovalent mostly basic metals of group I of the periodic table

Down

1. Are a group of elements on the periodic table found in group 17

3. The degree to which an element tends to gain electrons and form negative ions in chemical reactions.

4. 15 metallic chemical elements with atomic numbers from 89 to 103, actinium through lawrencium.

10. He believed that all matter was made of The Four Elements which are Fire, Earth, Air, and Water