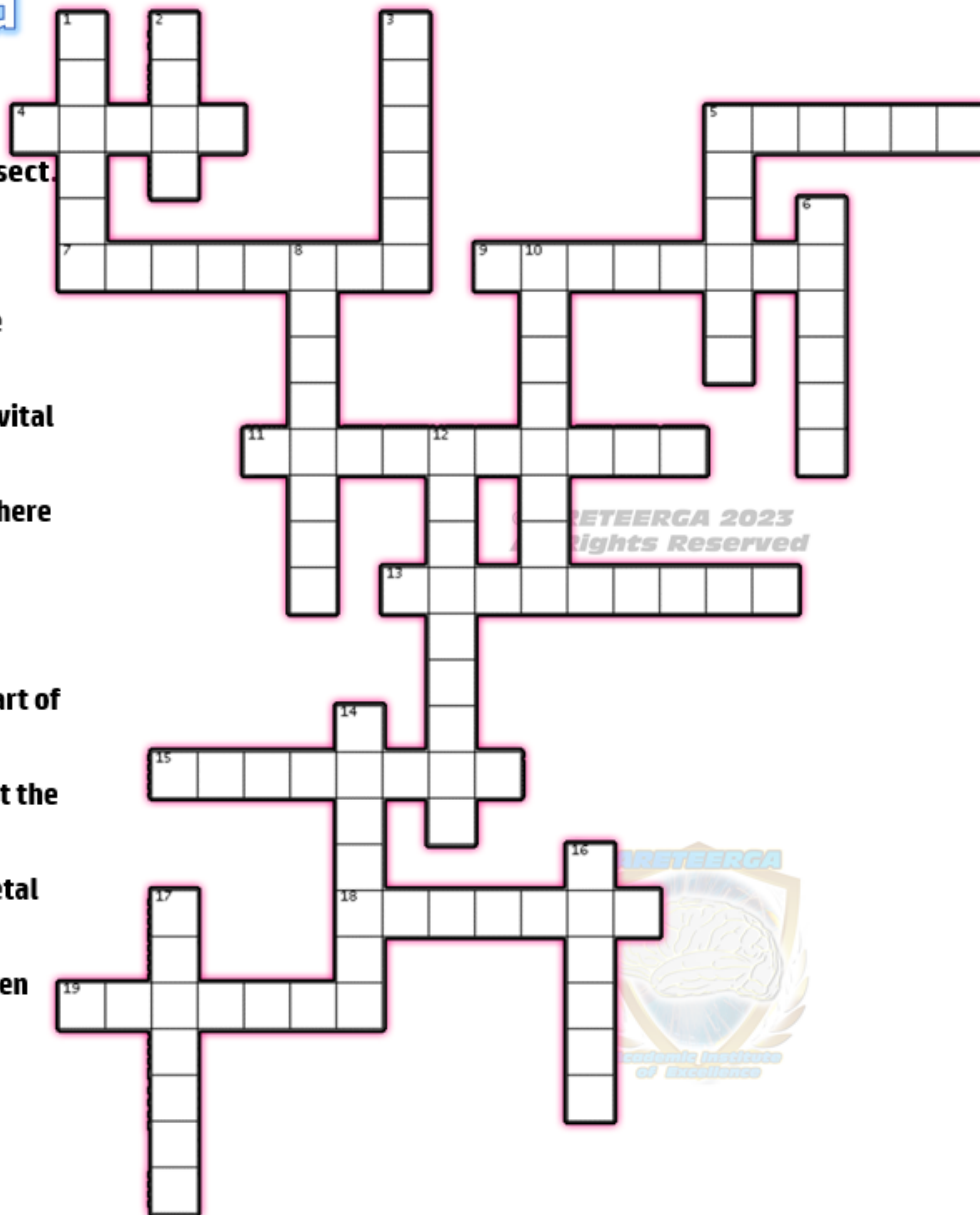


Expert Crossword

Use the clues to fill in the words above.
Words can go across or down.
Letters are shared when the words intersect.



ACROSS

4. Used in welding to provide a protective atmosphere, also used in lasers.
5. Once used in matches and gunpowder, vital for ATP synthesis.
7. Makes up a majority of Earth's atmosphere but is inert.
9. A powerful disinfectant, used in water treatment.
11. Critical for energy transfer in cells, part of DNA's structure.
13. Essential for photosynthesis, found at the core of chlorophyll.
15. A lightweight, corrosion-resistant metal widely used in aerospace.
18. Critical for bone and teeth health, often fortified in dairy products.
19. An integral component of glass and semiconductor devices.

DOWN

1. Known as the "element of life," it forms the basis of all organic compounds.
2. Its neon lights give a distinct hue to advertisements.
3. Critical for respiration, but also involved in combustion.
5. A reactive alkali metal that bursts into flames when exposed to air.
6. It's the second most abundant element in the universe but rare on Earth.
8. A key moderator in nuclear reactors, slows down neutrons.
10. The primary element in stars, essential for nucleosynthesis.
12. Reacts violently with water, producing hydrogen gas.
14. The backbone of modern electronics, found in integrated circuits.
16. Recognized by its odor, used in sulfuric acid production.
17. Vital for muscle contractions, nerve impulses, and blood clotting.