

Advanced Crossword

Use the clues to fill in the words above.

Words can go across or down. Letters are shared when the words intersect.

ACROSS

3. Essential for breathing and combustion, it's the most abundant element in the Earth's crust.

4. This element is vital for strong bones and teeth and is often added to dairy products.

12. It's the building block of life and the basis of organic chemistry.

13. Lightweight and strong, it's widely used in aerospace.

14. Vital for DNA, RNA, and ATP; you'll find it in your bones.

17. It's an alkali metal that ignites spontaneously in air.

19. This gas makes up the majority of Earth's atmosphere but doesn't support combustion.

20. This noble gas is used in welding and as a protective atmosphere for sensitive materials.

DOWN

1. When electrified, this noble gas produces a distinctive red-orange glow.

2. Inhaling this noble gas can make your voice sound squeaky.

5. It's essential for muscle contractions and nerve transmission.

6. Known for its strong, unpleasant odor, it's used to create sulfuric acid.

7. This element is a central component of the pigment chlorophyll.

8. Drop it in water, and it reacts explosively!

9. This element is named after the Greek word for 'water creator' due to its role in forming water molecules.

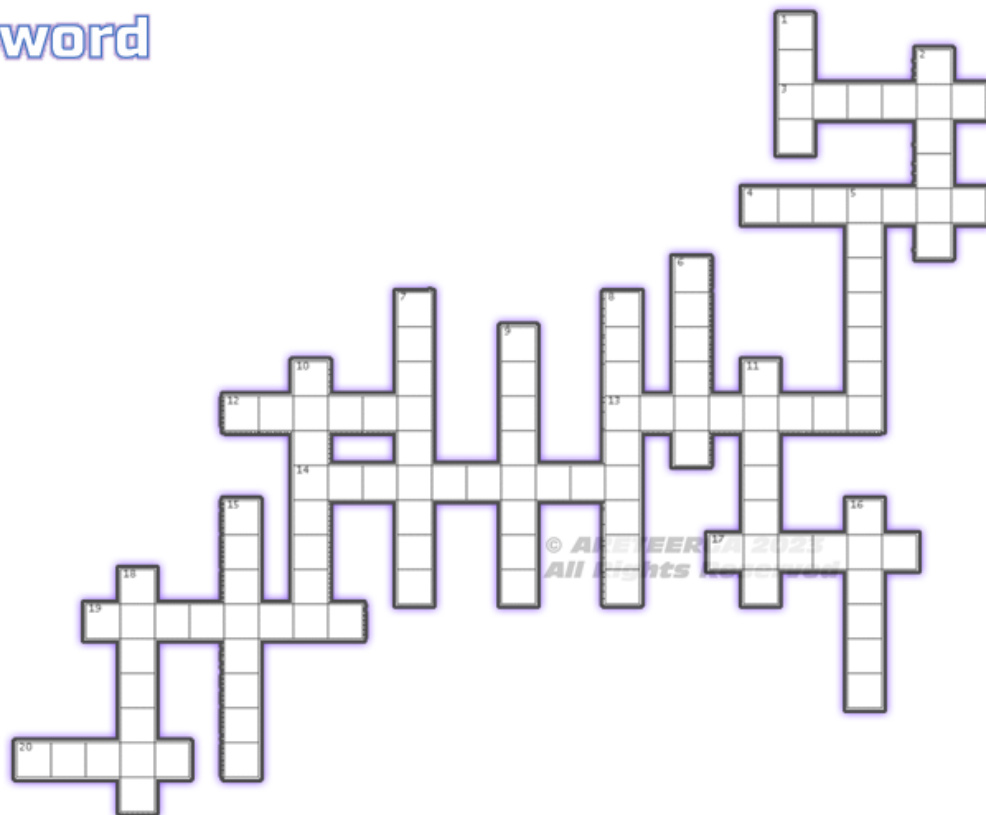
10. Used as a control rod in nuclear reactors, it helps regulate the nuclear chain reaction.

11. It's a key component of glass and the heart of the silicon chip.

15. This halogen is often used as a disinfectant in swimming pools.

16. Once used in matches and explosives, it's also a critical nutrient.

18. This semiconductor element is a key player in microelectronics.



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