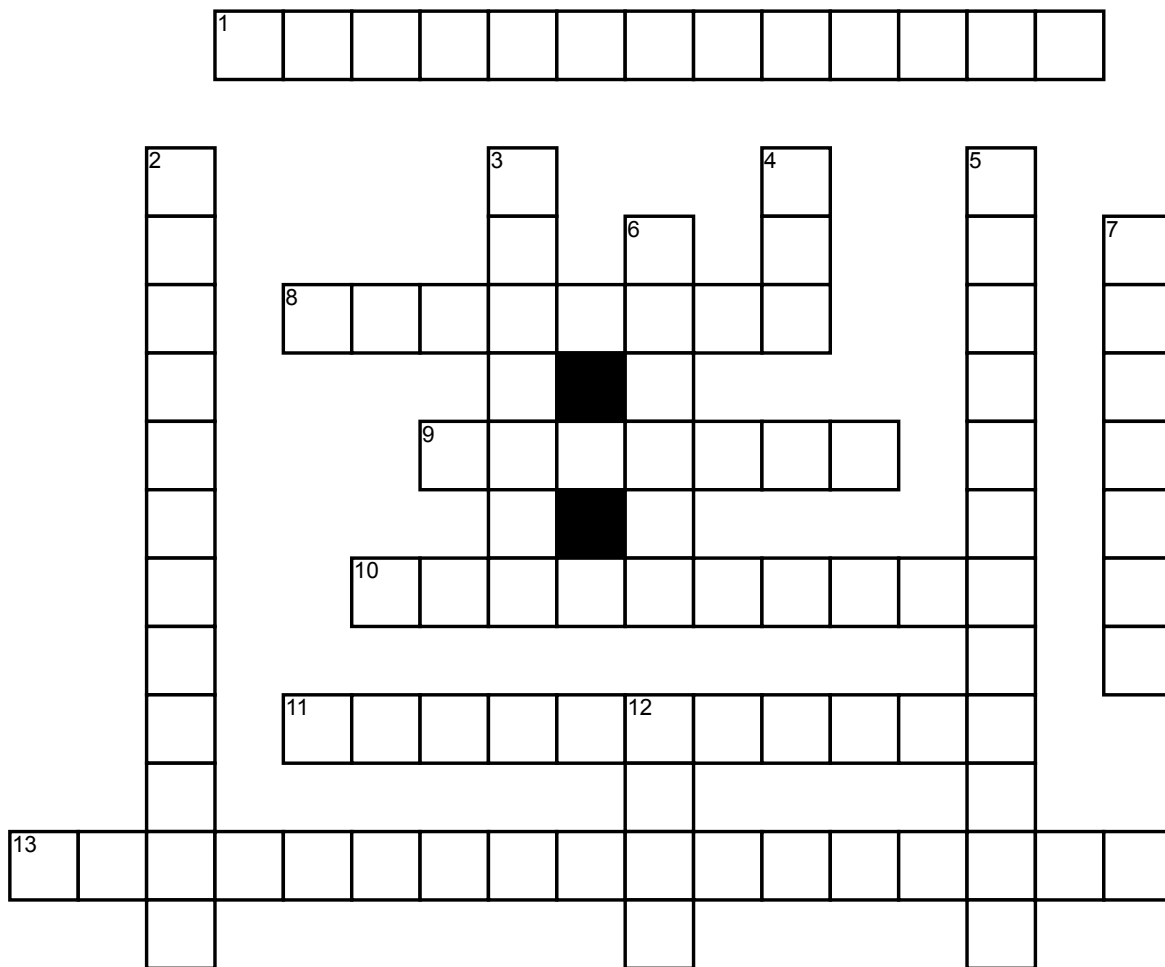


ATOMS



Across

1. What is an area around an atomic nucleus where an electron is most likely located?
8. What is a particle with a negative charge?
9. What is a neutral particle that exists in the nucleus of an atom?
10. What is the sum of the number of protons and neutrons in an atom called?
11. What are elements that spontaneously emit radiation?

13. What of an element's isotopes, weighted according to the abundance of each isotope?

Down

2. What is the number of protons in an atom of an element called?
3. What is the smallest area in the center of an atom?
4. What is an atom that is no longer neutral because it has gained or lost electrons?

5. What is a process that occurs when an unstable atomic nucleus changes into another more stable nucleus by emitting radiation.

6. What is an atomic particle that has one positive charge?
7. What are atoms of the same element that have different numbers of neutrons?
12. What is the smallest piece of an element?