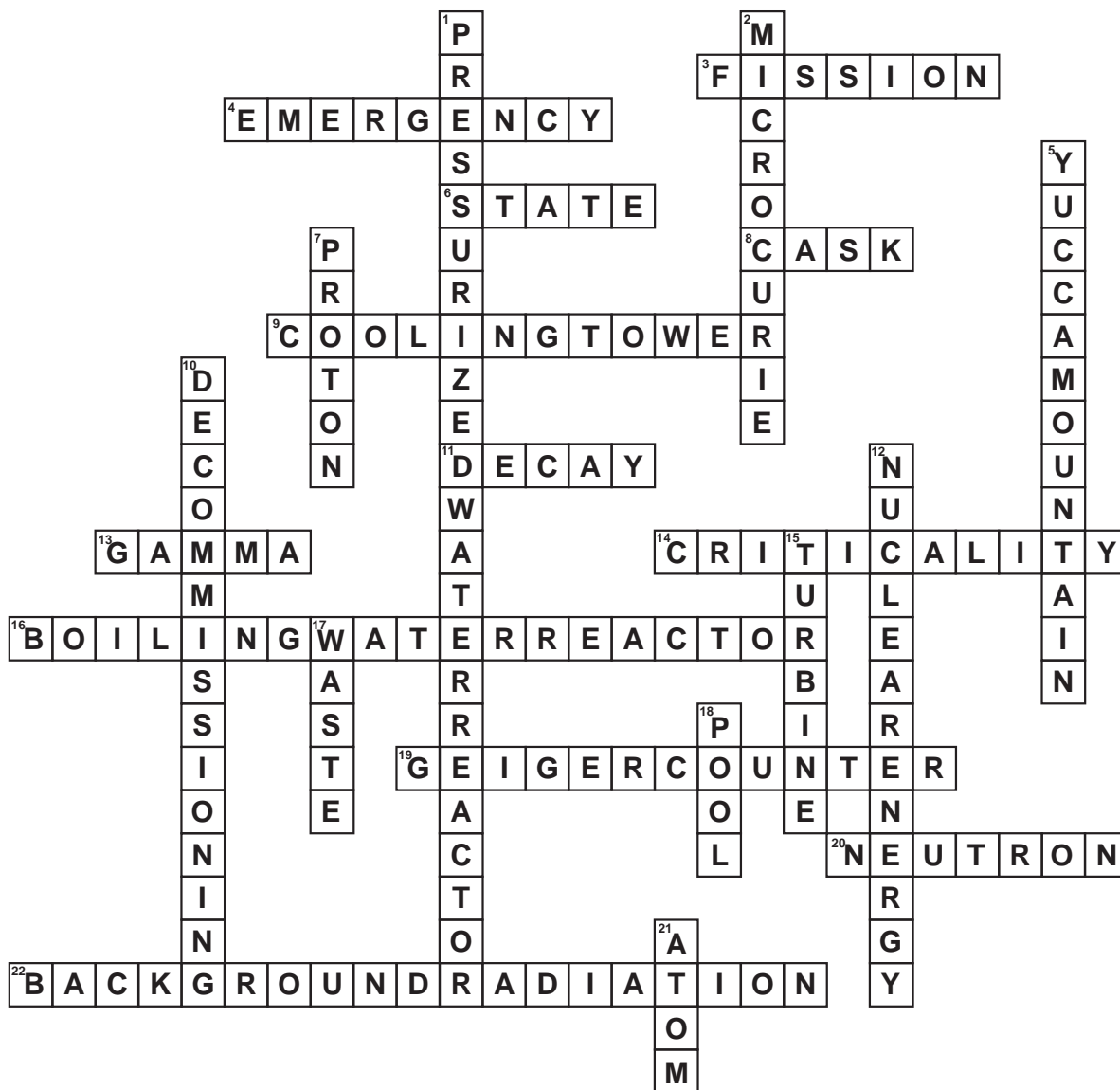


ATOMIC CROSSWORD



ACROSS

3. Splitting of atoms into smaller pieces
4. Owners of nuclear power plants must have ____ plans to practice how workers and residents handle this
6. The Low-Level Radioactive Waste Policy Act passed by the U.S. Congress in 1980 requires each ____ to provide for disposal of the low-level waste produced within its borders
8. Heavily shielded container used to store and/or ship radioactive materials
9. Removes excess heat from the reactor's circulating water system
11. The decrease in the amount of radioactive material with the passage of time
13. Penetrating rays that are best stopped or shielded by dense material
14. Reactor physics term describing the state when the number of neutrons released by fission is exactly balanced by the neutrons being absorbed by the fuel and poisons and escaping the reactor core
16. A reactor in which water, used as both coolant and moderator, is allowed to boil in the core
19. A radiation detection and measuring instrument
20. An uncharged elementary particle with a mass slightly greater than that of the proton, and found in the nucleus of every atom heavier than hydrogen
22. Comes from cosmic sources; naturally occurring radioactive materials, and global fallout as it exists in the environment from the testing of nuclear explosive devices

DOWN

1. Reactor that keeps water under pressure so that it heats, but does not boil
2. One millionth of a curie
5. Proposed high-level waste disposal site in Nevada
7. An elementary nuclear particle with a positive electric charge located in the nucleus of an atom
10. Shutting down a plant and reducing the level of radiation so that the land can be used for other purposes
12. Energy liberated by a nuclear reaction (fission or fusion) or by radioactive decay
15. A rotary engine made with a series of curved vanes on a rotating shaft, usually turned by water or steam
17. One of the main concerns about nuclear powerplants is what to do with the ____
18. Spent fuel that is stored inside a nuclear power plant goes in this
21. The smallest particle of an element that cannot be divided or broken up by chemical means