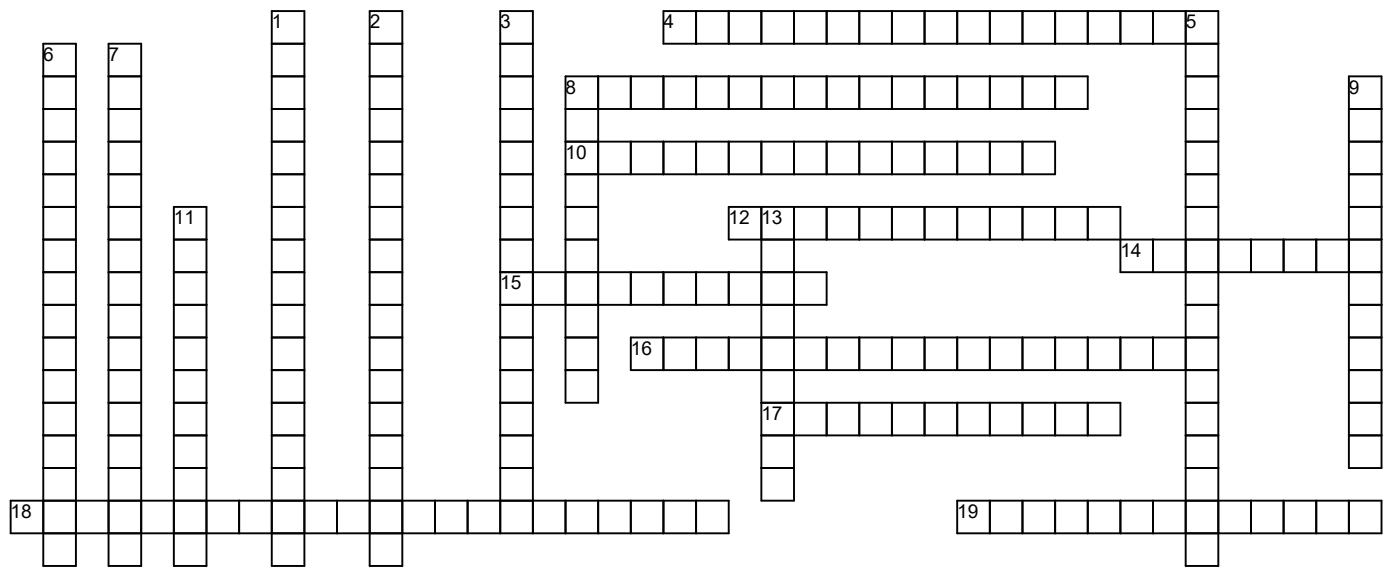


# African American Scientists Crossword Puzzle

1. Using the Across and Down clues, write the correct answer in the numbered grid below.



## ACROSS

4. Physicist who became the first African American woman to earn a Ph.D. from MIT and conducted breakthrough research in theoretical physics.
8. First African American woman to earn a Ph.D. in chemistry in the U.S., known for research on cholesterol and hypertension.
10. Biochemist who made significant contributions to NASA's space exploration efforts, particularly in life detection techniques.
12. Ophthalmologist and inventor of the Laserphaco Probe, used in cataract treatment, and the first African American woman to complete a residency in ophthalmology.
14. Computer scientist and engineer credited with significant contributions to the development of the IBM personal computer.
15. Inventor and engineer known for improving the pacemaker and developing electronic control devices.
16. Groundbreaking surgeon who performed one of the first successful open-heart surgeries and founded Provident Hospital.
17. Computer scientist and mathematician who contributed to NASA's space programs.
18. Agricultural scientist recognized for his work on crop rotation and multiple uses of peanuts.
19. Aerospace engineer and inventor of the Super Soaker water gun.

## DOWN

1. Biologist whose research laid the groundwork for modern cell biology, particularly in fertilization and cell division.
2. Zoologist and marine biologist, the first African American woman to earn a Ph.D. in zoology, focusing on the effects of radiation on sea urchin embryos.
3. Chemist renowned for synthesizing medicinal drugs from plants, contributing greatly to pharmaceuticals.
5. Astrophysicist known for popularizing science through books, television, and public appearances.
6. Astronomer, mathematician, and surveyor who helped survey the original boundaries of Washington, D.C.
7. Astrophysicist and inventor of the ultraviolet camera spectrograph used in the Apollo 16 mission.
8. Physician and engineer who became the first African American woman to travel in space as a NASA astronaut.
9. Surgical technician who developed techniques for treating cyanotic heart disease and helped pioneer open-heart surgery.
11. Pioneering researcher in blood transfusions, credited with developing blood storage techniques and establishing the first blood banks.
13. Chemist known for developing an effective treatment for leprosy, called the "Ball Method."

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Patricia Bath	Daniel Hale Williams	Annie Easley
Vivien Thomas	Percy Lavon Julian	Neil deGrasse Tyson
Otis Boykin	Charles Drew	Benjamin Banneker
Mark Dean	Roger Arliner Young	Lonnie Johnson
George Washington Carver	Ernest Everett Just	George Carruthers
Emmett Chappelle	Marie Maynard Daly	Alice Ball
Mae Jemison	Shirley Ann Jackson	