



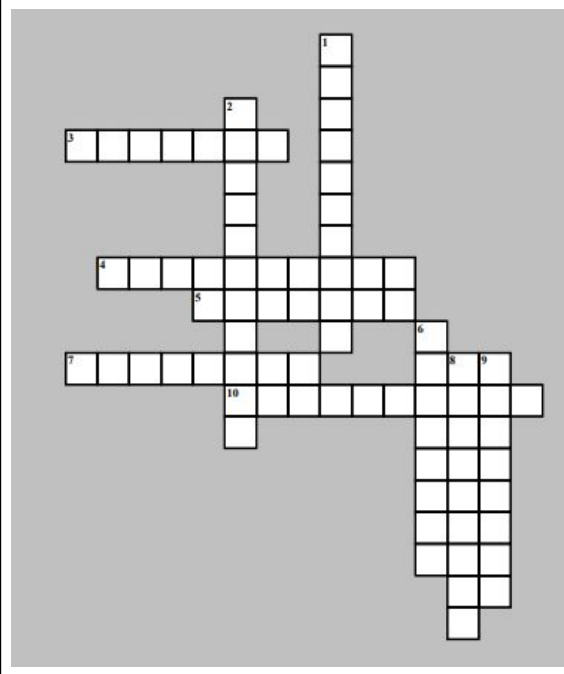
## Betsy Parkinson

How are new antibiotics discovered? It takes a lot of scientific research from professionals like Dr. Betsy Parkinson. Not only does Dr. Parkinson lead a **research** lab of graduate students, postdoctoral research scientists, and undergraduate students, but she also teaches Organic Chemistry classes at Purdue University. Dr. Parkinson's research focuses on the discovery of new **antibiotics** from soil dwelling bacteria. Her efforts in **teaching** organic chemistry ensure that future scientists will be able to continue important research for antibiotic discovery!

## Organic Chemist and Professor

The role of an Organic Chemistry Research Scientist and Professor includes three main jobs: teaching, leading a research lab, and service. An Assistant Professor of Organic Chemistry, like Dr. Betsy Parkinson, may teach very large classes of students at a college or university. Leading a research lab might involve **designing** experiments, keeping a lab **journal**, **working** with other researchers, and communicating your findings by **publishing** peer-reviewed articles and **presenting** at science conferences. The service element of a research scientist can involve working with others in departmental **committees** and getting involved with community **outreach** efforts.

## Puzzle of the Week



### Across

- 3 Leading a research lab might involve \_\_\_\_ with other researchers.
- 4 Leading a research lab might involve \_\_\_\_ peer-reviewed articles.
- 5 Leading a research lab might involve keeping a lab \_\_\_\_.
- 7 Ensures that future scientists will have knowledge to continue with research.
- 10 The service of a research scientist can involve working in departmental \_\_\_\_.

### Down

- 1 Leading a research lab might involve \_\_\_\_ at science conferences.
- 2 Produced by soil dwelling bacteria.
- 6 The service of a research scientist can involve community \_\_\_\_ efforts.
- 8 Leading a research lab might involve \_\_\_\_ experiments.
- 9 This type of lab includes grad students, postdocs, and undergrads.

Find more careers at <https://www.purdue.edu/science/K12/stemcareers.html>

