

Article-Based Observation: Q

Directions: Read the articles "[Flowing toward a sustainable future](#)" and "[Mapping stars across generations](#)" then answer the questions.

- 1. What personal characteristics helped make Rodríguez-López a successful scientist?**
- 2. What inspired Rodríguez-López to become a scientist?**
- 3. What type of battery does Rodríguez-López work on, and how does it work?**
- 4. What helped inspire Rodríguez-López's research?**
- 5. What was the objective of Rodríguez-López's research that was reported in *Journal of the American Chemical Society* in 2014? What is the objective of the research he is currently conducting in his lab at the University of Illinois at Urbana-Champaign?**

6. Why is Rodríguez-López's research important for the real world?

7. What STEM field(s) does this research belong to? What other types of research might scientists in these fields work on?

8. [Search](#) the *SN* or *Science News for Students* archives to find and summarize another article about improving batteries.

These questions are based on the *SN* article about Paula Jofré: "[Mapping stars across generations.](#)"

1. What personal characteristics helped make Jofré a successful scientist?

2. What inspired Jofré to become a scientist?

3. What was the inspiration that helped define Jofré's research topic?

4. What was Jofré's objective of her research?

5. What methods did she use for her research?

6. What overall STEM field(s) does this research belong to? What other types of research might scientists in these fields work on?

7. [Search](#) the *SN* or *Science News for Students* archives to find and summarize another article about tracing the relationships between stars.

8. How are Jofré and Rodríguez-López similar?