



Principles of Biomedical Science

Virtual Learning

9-12 / PLTW[®] PBS

May 20, 2020



Principles of Biomedical Science

9-12/PLTW[®] PBS
Lesson: May 20, 2020

Objective/Learning Target:

Students will be able to: identify and describe specific careers involving Biochemical laboratory testing. (*Reference: PLTW[®] 5.1.5 Bacterial Identification*)



Let's Get Started (Bell Ringer):

Watch the following Video on careers involving Biochemical laboratory testing:

[What is a Clinical Biochemist?](#)

[My Job In A Minute: Medical Laboratory Scientist](#)



Lesson/Activity:

Let's start by... Learning more about specific careers in Biochemical laboratory testing. We will be learning about these careers by gathering information about them using a Career Journal. Career Journal Guidelines can be found at the following link: [Journaling about Careers](#) Research the career based on the questions from the Career Journal Guidelines. Follow the Procedures and write down what you have learned in your notebook or separate piece of paper.



Lesson/Activity continued:

First career dealing with Biochemical laboratory testing will be the **Bacteriologists**. Follow your Career Journal Guidelines and answer the questions in your notebook or seperate piece of paper.



Lesson/Activity continued:

Second career dealing with Biochemical laboratory testing will be the **Medical Laboratory Technician**. Follow your Career Journal Guidelines and answer the questions in your notebook or separate piece of paper.



Lesson/Activity continued:

Third career dealing with Biochemical laboratory testing will be the **Clinical microbiologist**. Follow your Career Journal Guidelines and answer the questions in your notebook or seperate piece of paper.



Lesson/Activity continued:

The Fourth and final career dealing with Biochemical laboratory testing will be the **Parasitologists**. Follow your Career Journal Guidelines and answer the questions in your notebook or separate piece of paper.



Answers:

All answers will vary based on source, location, and experience. Strive to have answered the following questions:

- Education and/or Training Required
- Responsibilities and Daily Activities
- Salary Range
- Documentation of Sources
- Self-Reflection



Practice:

Additional Resources to Explore:
Interesting articles to read and think about...

[Become a Microbiology Scientist: Step-by-Step Career Guide](#)

[The New York Times Microbiology](#) (latest articles on what is going on around the world in Microbiology)

[Wired 9 Amazing and Gross Things Scientists Discovered About Microbes This Year](#)



Additional Practice:

Additional Resources to Explore: Doctors and Nurses is that it?

[Searching for a Career? Explore Medical Research](#)

[Top 5 Entry Level Medical Careers + BONUS CAREER!!!](#)