



Introduction To Health Services

HS Introduction to Health Services/ Career Exploration: Microbiologist

May 01, 2020



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Lesson: May 01, 2020

Objective/Learning Target:

Describe the activities, responsibilities and training for a career as a Microbiologist



Warm Up Activity

If I asked you to form a picture in your mind of a microbiologist at work, what kinds of things might be in that picture?

If I asked you to make a list of the skills needed to be a working microbiologist what might be on that list?



Obviously, there are no right or wrong answers to these questions, but students who came before you offered these possible responses...

If I asked you to form a picture in your mind of a microbiologist at work, what kinds of things might be in that picture?

- A lab coat (yes, it can have a pocket protector)
- A microscope
- Glass dishes
- An incubator
- A lab table



If I asked you to make a list of the skills needed to be a working microbiologist what might be on that list?

- Observation skills
- Good lab cleanliness
- Good memory
- Note taking
- Good at chemistry and biology classes

Again, there are no right or wrong answers, but seem to accurately sum up the typical high-schooler's ideas about microbiology.

The lesson will take you a little deeper into microbiology as a career opportunity.



Note Taking Activity

Take out a blank sheet of paper. As you watch the video that is linked below, jot down a quick note of these things....

- 1) Things I already knew or assumed about this career.
- 2) Things I learned about this career.
- 3) Things that make me more interested or less interested in this career.

[Click here to view the ASM Careers in Microbiology video.](#)



Lesson Activity: Reading and Note Taking

Now, let's dive a little deeper into the microbiology career.

First, check out the [Bureau of Labor Statistics website](#) for this career.

On your paper, make a list of details about this career that you did not previously know.



3-2-1 Reading Activity- What Microbiologists Do

Lets move to the next tab- titled [What Microbiologists Do](#), focus on the duties of a microbiologist. We will do a quick 3-2-1 activity...

On your paper, list

- **Three things** that microbiologists do that is new to you.
- **Two things** that microbiologists do that you would really like to do.
- **One** thing that microbiologists do that would be something that you would not enjoy.



Reading Activity- Work Environment

Lets move to the next tab- titled [Work Environment](#), and focus on the kinds of places that microbiologists work. We will do a ranking activity...

Look over the 5 employers of microbiologists. On your paper, rank them 1-5 with 1 being the environment that you think would suit you best.



T-Chart Reading Activity- How to Become One

Lets move to the next tab- titled [How to Become One](#), and focus more on the education and training needed to become a microbiologist. We will analyze this reading in a T-chart.

Make a T-shaped chart on your paper. On the left, make notations about the kinds of education or training that you would be interested in doing. On the right, note things that you may not want to have to do. Be honest, there are no right or wrong answers.



Self Reflection Reading Activity- Pay

Lets move to the next tab- titled [Pay](#), and look at the average salaries for microbiologists.

Look over the salary range for this career. To finish your notes, make a notation at the bottom of the page- that will be a reflection of your thoughts about salary.

Does this job meet your ideal salary?