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COLLEGE OF APPLIED SCIENCE AND TECHNOLOGY
DEPARTMENT OF HEALTH SCIENCES

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Dear Renee,

Thank you so much for your question; what are the names of the activities in science that you can do?

The activities in science that are particularly important to the field of clinical laboratory science involve biology, chemistry, and math. Clinical laboratory scientists (CLS) can use their skills in all sorts of jobs including but certainly not limited to: veterinary, forensics, clinical, research, administration and even education. Most all of the activities that we do as a clinical laboratory scientist require a baccalaureate degree and right now there is a national shortage of CLS graduates.

Once you have graduated with a CLS degree there are several specialties that you can work in. Just a few include: Hematology (the study of blood cells), Microbiology (working with bacteria, viruses, and other germs), Chemistry (using molecular and clinical chemistry to help diagnosis and treat diseases such as diabetes and cancer), Blood Banking (finding out a person's blood type and preparing blood should they need a transfusion), Urinalysis (using urine and other body fluids to determine such diseases as urinary tract infections and monitoring of how your body is working).

I have worked in research, clinical bench work, management and education. I love all areas of the lab but chemistry just happens to be my favorite. If you want to learn more about the field and the many names of science activities that we do, please visit this website: <http://www.medlabcareers.msu.edu/> which contains valuable career information as well as an interactive program called *Diagnostic Detectives* to help you learn more about what we do.

Renee, in closing let me say that the science activities in the field of clinical laboratory science are as varied and unique as the people that choose to study it. I absolutely love what I do; teaching undergraduate CLS students so that they can fill the huge need that we have in healthcare and other job areas. I encourage you to try as many things as you possibly can in science; you're bound to find one that you can't let go of just like I did!

I wish you the best of luck in your journey!

A handwritten signature in cursive that reads 'Dr. Lori A. Woeste'.

Lori A. Woeste, Ed.D. MT (ASCP)
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