

ASSAY LAB TECHNICIAN

ABOUT THIS JOB

Assay Lab Technicians prepare rock samples to test for gold content, and other chemical properties and criteria. Information from assay results help define the ore body (the amount of gold in the ore). Assay Lab Technicians work under the direction and supervision of a trained metallurgist, chemist or geologist. They follow procedures designed by geologists to analyze rocks and minerals, milling products and waste byproducts to provide data that makes it possible to locate, mine and extract minerals in a safe, economical and environmentally responsible manner. Individuals in this profession tend to be detail-oriented and have an interest in science, particularly geology and chemistry. They must also work well under the direction of others.

ASSAY LAB TECHNICIANS PERFORM THE FOLLOWING TASKS:

- Monitor ore and rock material through the mining and milling processes to ensure compliance with standards and specifications
- Compile and organize data from the results of tests and analyses under the direction of a metallurgist, chemist or geologist
- Set up and conduct chemical experiments, tests and analyses under the direction of a metallurgist, chemist or geologist
- Prepare chemical solutions following standardized formulas, or assist in creating experimental formulas and procedures
- Organize, maintain, clean and/or sterilize laboratory instruments or equipment
- Assist in preparation of reports and graphs or charts to document experimental results
- Provide technical support or assistance to metallurgists, chemists and geologists
- Order and take inventory of materials to maintain supplies

PREPARATION AND TRAINING FOR THIS POSITION

A high school diploma or GED is required for this job. Focusing on classes in chemistry and other sciences in high school is helpful to better understand the responsibilities of the position. Experience in a laboratory environment will better prepare an applicant for the working environment of this job and give them a competitive advantage.



EDUCATION:

*** HIGH SCHOOL DIPLOMA OR GED**

