

Careers in Chemistry

Please go to the following website

http://www.prospects.ac.uk/p/types_of_job/analytical_chemist_salary.jsp

or

http://www.prospects.ac.uk/p/types_of_job/scientific_services.jsp

A. Fill in the worksheet for 3 different careers that involve chemistry.

B. Answer the following questions.

- 1. Which of the 3 careers do you feel has better working conditions? Why?**
- 2. Which of the 3 careers do you feel has a better chance of advancement? Why?**
- 3. Pick one of the careers. How does this career affect the "real" world and you directly?**

C. Pick one of the 3 careers and do a 5 paragraph (at least) opinion piece on whether or not you think this would be a good career for you, given the assumption that you WILL continue in chemistry. Don't forget that this should be based on the research you just did.

	Career #1	Career #2	Career #3
Job title			
Job description and activities			
Salary (convert to Canadian \$)			
Entry requirements			
Training			
Career development			
Typical employers			
Related jobs			
Case study (interesting facts)			

Rubric For Careers in Chemistry

Category	Level 1	Level 2	Level 3	Level 4
Knowledge (30) Knowledge of facts and terms Shows understanding of the 3 careers (answers questions 1 & 2) Understands concepts presented	Unable to complete task due to insufficient knowledge Shows limited understanding Repeats and/or copies others' words	Some use of required knowledge Shows some understanding Uses some of his/her own words	Considerable use of required knowledge Shows considerable understanding Uses own words in explanations	Thorough use of required knowledge Shows thorough understanding Extends explanations
Thinking/invest (35) Gathering data Analyzing and interpreting Forming and justifying conclusions based on evidence	Limited completion of tables Provides limited analysis of the data -in opinion piece -question1 -question2 Demonstrates limited ability to draw conclusions based on the evidence	Some completion of tables Provides some analysis of the data -in opinion piece -question1 -question2 Demonstrates some ability to draw conclusions based on the evidence	Considerable completion of tables Provides sufficient analysis of the data in opinion piece -in opinion piece -question1 -question2 draws valid conclusions based on the evidence	All points are included in table Provides rich analysis of the data in opinion piece -in opinion piece -question1 -question2 Draws insightful conclusions based on the evidence
Application (20) Assesses the impact of the career on "the real world" Assess the impact of the career on you Assesses the "fit" between student and chosen career	Assesses the impact with limited effectiveness Assesses the impact with limited effectiveness Assesses the "fit" with limited effectiveness	Assesses the impact with some effectiveness Assesses the impact with some effectiveness Assesses the "fit" with some effectiveness	Assesses the impact with considerable effectiveness Assesses the impact with considerable effectiveness Assesses the "fit" with considerable effectiveness	Assesses the impact with a high degree of effectiveness Assesses the impact with a high degree of effectiveness Assesses the "fit" with a high degree of effectiveness
Communication(15) Ideas are organized Communicates opinion	Organization is limited Opinion is not evident	There is some organization of ideas Opinion may or may not be owned by student	Ideas are organized with considerable effectiveness Opinion is owned by student	Ideas are organized with a high degree of effectiveness Opinion is strongly communicated