

# Discovering a Career Involving Chemistry

## Content:

You will choose a career field that is based on chemistry (choose from the provided list or get a career of your choice approved). There will be no career repeats in a given class, so as soon as you choose your career, sign up. Once you have a topic, you will write a paper and poster related to that field.

## Paper (100 pts):

Research your career field and find out the following information:

- basic information about the career (what the career actually involves, type of business you could work for, salary, day to day job description, etc.)
- what kind and how much education and/or training is needed (college, apprenticeship, internship, other?)
- how chemistry is used in the career
- pros and cons of the career

You must research at least three different sources for information about your career field. Sources can be books, Internet, college representatives, a person who has the career ... Include a proper bibliography for each source at the end of your paper. You will then write a 3-4 page paper (12 type font, double spaced, 1" margins) discussing your collected information. The paper must include all the information listed above as well as your personal opinion of the career field. The more information you provide, the better. The paper must have a cover sheet (not counted in page count), an introduction, body, conclusion, and bibliography (not counted). Correct grammar and citing of your sources is essential. Be sure to write the paper yourself (no plagiarism) and cite your information according to the methods discussed in your English class. If you are unsure how to do so, ask (ignorance is not an excuse). If you speak with someone in the career field, you will receive 10 bonus points. To receive the points you must provide the person's name, place of employment, and a phone number in your bibliography. Your paper is due the day you present your poster to the class.

## "Poster" (50 pts):

The poster needs to be an advertisement for the career field, a "Why you should become a \_\_\_\_\_" poster. You can pretend that you are a recruiter and you're trying to get people interested in the career field. The poster should educate about the career, describe all the pluses of the field and include pictures. Your poster may be a real poster or a flyer, but it must look professional- real poster board for the poster or unlined paper and typed/neat print for the flyer. If you want to promote the career with another medium (video, power point...), it needs to be cleared first. It will be graded on the information included, neatness, color, design, and how well it promotes the career. Your poster is due the day you present.

*Scoring:*

Paper

Cover sheet	5
Introduction	5
Description of career	11
Job details	11
Education/training	11
Use of physics	11
Pros/cons	11
Personal opinion	10
Conclusion	5
Bibliography	10
Grammar	5
Format	5
Interview (bonus)	10

Poster

Educational information	15
Promotion of career	15
Neatness	10
Color	5
Design	5

Presentation

recap of paper	5
discuss brochure	5
2 min < time > 4 min	10

*Possible Careers to Choose From:*

Food scientist  
Astronaut  
Carpenter  
Computer Specialist  
Electrician  
Agricultural Engineer  
Doctor- any type (be specific)  
Pharmacist  
Fire Fighter  
Science Teacher  
Ship Engineer  
Anesthesiologist  
Artist  
Meteorologist  
Nurse  
Airplane Pilot  
Plumber/Pipe fitter  
Emergency Medical Technician (EMT)  
Bomb Squad

Water Quality Specialist  
Biochemist  
Forensic Scientist  
X-ray Technician  
Aerospace Engineer  
Biomedical Engineer  
Chemical Engineer  
Electrical Engineer  
Industrial Engineer  
Mining Engineer  
Sound Engineer  
Geochemist  
Hydrologist  
Nutritionist  
Nuclear Engineer  
Narcotics Officer  
Food Manufacturer  
Mechanic- car, airplane...  
Film Industry

## Discovering a Career in Chemistry

### Paper

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Job details	_____ /11
Education/training	_____ /11
Use of chemistry	_____ /11
Pros/cons	_____ /11
Personal opinion	_____ /10
Conclusion	_____ /5
Bibliography	_____ /10
Grammar	_____ /5
Format	_____ /5
Interview (bonus)	_____ /10
Total	_____ /100

### Poster

Educational information	_____ /15
Promotion of career	_____ /15
Neatness	_____ /10
Color	_____ /5
Design	_____ /5
Total	_____ /50

### Presentation

Recap of paper	_____ /5
Discuss brochure	_____ /5
2 min < time > 4 min	_____ /10
Total	_____ /20

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### Poster

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