

Poison Research (Fact Sheet & Presentation)

I. Criteria for the Poison Fact Sheet

- ❑ **Name** of the poison – include any synonyms, abbreviations, or variation of the substance.
- ❑ **Biological effect on the Body** – discuss the biochemical method in which the poison attacks the body, focusing on the part (cell, tissue) overwhelmed and how death ultimately occurs. State how this toxic chemical affects each level of the biological system.
- ❑ **Minimum Lethal Dose** – what is the M_{LD} for the poison; put volume in context to a common object.
- ❑ **Prognosis** – from the time of incorporation, how long does the victim have before the onset of death. What are the chances for recovery and will there be any permanent damage
- ❑ **Method of entry** – how is the poison generally administered? If multiple methods exist, discuss the most common and the most unusual.
- ❑ **Symptoms** associated with the poison. Explain how the symptoms relate to the cause of the biochemical attack.
- ❑ **Method of Detection** – discuss how the medical examiner, physician, police, etc may detect the presence of the poison
- ❑ **Treatments** – drugs, therapies, etc. available to counteract the poison if discovered early enough
- ❑ **Where is toxin found** –in nature specifically what plant or animal or man made
- ❑ **Historical Context** – describe the development of the substance into a poison; integrate stories of the poison's use in history. How is this chemical traditionally used?
- ❑ **Bibliography** – see additional information below

II. Due dates

- ❑ **Paper** due 4/30
- ❑ **Presentations** begin on 5/3

III. Method of evaluation

The Paper (45 pts)

- ❑ Should be about 3 ½ - 4 pages (may not exceed 6 pages), typed in Times New Roman, size 12 font
- ❑ Must include the above criteria. Each section must have its own heading and the information in bullet points
- ❑ Bibliography: MLA format; include all sources used to research the paper. It must include *at least* five sources; one of which is a book.

The Presentation (50 pts)

- ❑ Must have at least one type of visual aide to assist with the presentation – PowerPoint, overhead transparencies, poster, etc.
- ❑ Visual aid will be assessed for its effectiveness, the ability of the audience to see the visual aid, error free, and neatness.
- ❑ Length of presentation: 6-10 minutes

Name _____

Poison Project/Presentation Grading Rubric

Paper: (45)

Names		0	1	2
Biological effects	0	3	6	9 12
M _{LD}		0	1	2 3
Prognosis	0	1	2	3 4
Method of entry		0	1	2 3
Symptoms		0	1	2 3
Detection		0	1	2 3
Treatment		0	1	2 3
Historical context	0	2	3	4 5
Where is toxin found			0	1 2
<u>Bibliography</u>	0	2	3	4 5

Visual Aid: (20)

No mistakes	1	2	3	4 5
Effective	1	2	3	4 5
Visible to audience	1	2	3	4 5
<u>Neatness</u>	1	2	3	4 5

Presentation: (30)

Content

Biological effect	0	2	4	6
M _{LD} & Prognosis	0	1	2	3
Method of entry		0	1	2
Symptoms		0	1	2
Detection & Treatment	0	1	2	3
Historical context	0	2	3	4

Mechanics

Attire		0	1	2
Poise & Posture		0	1	2
Enunciate		0	1	2
Voice projection		0	1	2
<u>Eye contact</u>		0	1	2