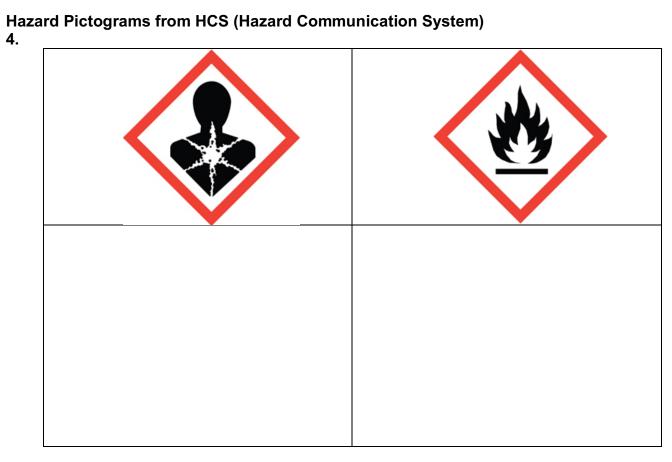
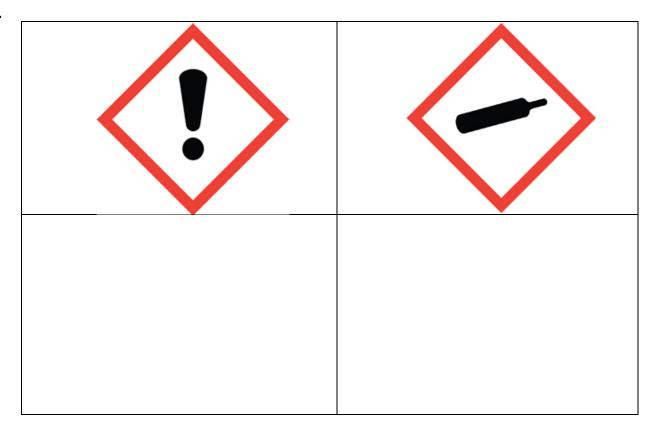
Lab Safety in Chemistry									
Essential Question:									
Questions/Main Ideas									
1. The chemical on the first slide might be what chemical? Why?									
 Toxic Chemical Learning Targets Understand the hazards of working in a chemistry lab, and how to prevent injury to yourself and others. 									
1.									
2.									
3.									
4.									
5.									
6.									
7.									
3. What is a Toxic Chemical?									

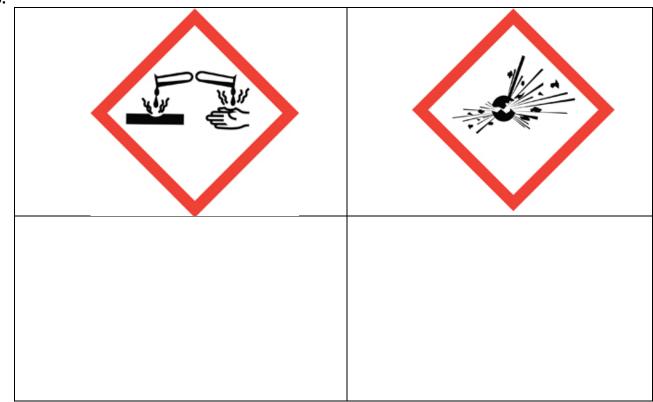
Any chemical which,



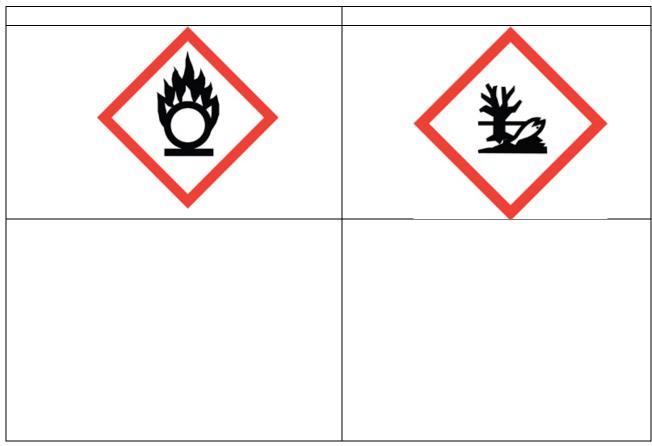
5.



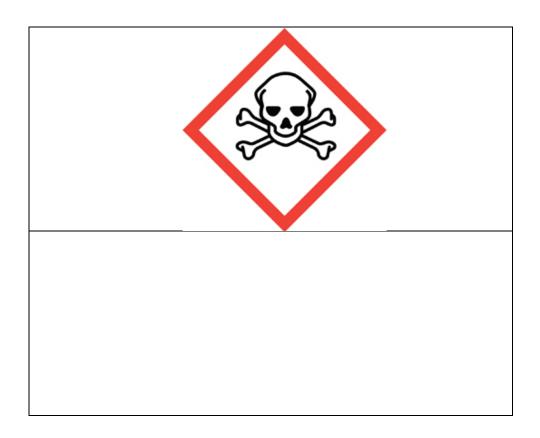
6.



7.



8.



9. Routes of Entry

IXOUTCS OF EI		
Term		
10. How it happens		
How to prevent		

11.PPE is the abbreviation for	
Goggles are worn whenever,,	_, and
are present.	
12. Three types of damage caused by chemicals, and examples:	
•	
Example:	
•	
Example:	
Example:	
13. Damage can be Local or Systemic	
Local –	
Systemic –	

14. Acute or chronic?
Acute –
Chronic –
15. Toxicity, LD₅₀Lethal Dose, 50% kill
0
0
0
0
Correlating rat-doses to human – doses:
Solution to the problem above:

16. Measuring Toxicity, TLVTLV =



17. Variables Affecting Toxicity

- •
- •
- •
- •

18. Safety Data Sheets											
Information found on SDS:											
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•											
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•											
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•											

19. First Aid:

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Name									

Write a summary of your learning today.

Include each of these concepts, used correctly, to receive credit:

- Toxicity
- Pictogram symbols
- Routes of entry and prevention
- PPE and when to wear it
- Damage to structure and function
- Local or systemic
- Acute or chronic
- Factors affecting toxicity