Investigator (your name): Date:			
	BIO BUGS PRE-LAB EXERCISE: WHODUNIT		
In this lab we will solve the theft at the Olympics. Forensic evidence was gathered and as trainees of the forensic investigative team you will analyze blood samples, fingerprints, cardiovascular health, and DNA from several suspects to determine WHODUNIT!			
Before startitechniques.	ng your training session, you need to prepare by studying various forensic		
Blood Analysis: a. Catalase test:			
i.	What is catalase?		
ii.	What is H ₂ O ₂ ?		
iii.	Why does adding blood to H ₂ O ₂ create bubbles?		
b. E	Blood type:		
i.	What are the 4 different blood types?		
ii.	What is agglutination?		
iii.	Which blood type is considered the universal donor? Why?		
2. Fingerprint Analysis:			
i.	What is the difference between known prints and latent prints?		
ii.	Why are fingerprints useful in forensic analysis?		
3. Card	iovascular Analysis:		
i.	How could you find out how "strong" (healthy) your heart is?		

		your name):
	ii.	What are the four chambers of a human heart? Which are oxygenated and which are not?
4.	DNA A	Analysis:
	i.	What is gel electrophoresis?
	ii.	Why is DNA not enough evidence for forensic analysis?

Congratulations Detective! You are ready to start your investigation!