Name: _____

Fluid Exchange Form & Post Lab Questions

http://chemconnections.org/general/chem120/fluid-ex.108.html

Follow the lab instructions, complete the form, and answer the post lab questions.

Your Global ID#	
	Contact ID#s
Contact 1	
Contact 2	
Contact 3	
Bioassay	(Circle one)
	positive
	negative

ID# of person believed to have been the first infected. _____

Answer Post Lab questions a) thru h) in full sentences.

a) How can chemicals enter your body?

b) Can pathogens follow the same routes of entry? Briefly explain.

c) Does the spreading rate of disease relate to the mode of entry/uptake? Briefly explain.

d) Compare the Ebola epidemic, AIDs epidemic, Zika virus, and the flu pandemic, which one relates closest to this chemical experiment and why is the rate of spread so different between them? Briefly explain.

e) What do ducks, pigs and genetic mutations have to do with the flu in humans?

f) Describe what H_1N_1 and H_5N_1 are, and briefly explain how they relate to humans.

g) If you had transmitted a pathogen in this experiment instead of a base, how long would it have taken to "infect" the entire DVC student body, population ~ 20,000 students? Assume that it took 30 min. for 1 person to infect a total of 3 people. Briefly describe how you determined the length of time.

h) Briefly describe how transmittance in this fluid exchange compares to the Ebola virus transmittance where the number of infections doubled in ~ 30 days. Assume that each exchange cycle in this experiment was actually 1 week apart.

Subject Infection Record: use if necessary (not required)