

Potions and Poisons Lab - Holt Division B Invitational 2018

NAME _____ SCHOOL / TEAM _____

TEAM NUMBER _____

Directions: You are being provided with 30 mL of two unknown solutions, labeled A and B. You are being asked to make some observations about the two solutions before mixing them together and making observations about the combination and any resulting changes that occur. **You are being asked to conduct four different types of tests** to help gather information about the chemicals given to you. You may use the items you bring with you in your kit. In the table below, **name each test and give a brief description of how you conducted the test**. Then include information you learned from the test in the three following columns. Goggles must be worn at all times while in the lab.

Test and Description	Solution A	Solution B	Combined Solutions

Based on what you have observed and learned through testing, **what chemical(s) do you think each of the mystery solutions A & B could be?** Give a brief claim about what you think each solution is, then back up that claim with evidence you gathered to fill in the table on the previous page.

Lastly, given what you found during your tests, and what you think each chemical is, **What do you think occurred when you mixed the two solutions together?** Back up your thoughts using reasoning based on your observations from the table on the previous page.