

Exchange Activity Notes

Name: _____ Class Period: _____

Step 1 Make observations on the liquid in your cup and record them below:

- Color of the liquid: _____
- Smell of the liquid: _____

Step 2 Record your cup number in column B of the Exchange Record Table below.

Step 3 Exchange the liquid in your cup with that of another student. First, record his or her cup number in column B of the Table below, then pour the liquid from one cup into the other student's cup. Next divide the mixture evenly into the two cups. Repeat this with two other students, so you have had a total of three exchanges.

Step 4 After completing three exchanges, record the color and smell of your liquid below:

- Color of the liquid: _____
- Smell of the liquid: _____

Step 5 After three exchanges, have the teacher add phenolphthalein ($C_{20}H_{14}O_4$) solution to your cup and record the color of the liquid in your cup in column C in the Exchange Table. Also, record in column C the color of the liquid in each of the three cups that you have exchanged liquids in Step 2.

Exchange Data Table

A	B (Step 2) Record each cup number.	C (Step 4) Record the color of the liquid after your teacher adds a solution in each cup.
Your cup		
First exchange		
Second exchange		
Third exchange		