

Name:
Date:
Period:
(5pts)

Final One

This is worth 75 points. Make sure you do a wonderful job!

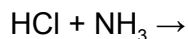
Purpose:(3pts)

Hypothesis:(3pts) **Do not** write that the reaction will blow up, you will be wrong.

Equations: (20pts)

1. This is a synthesis reaction. What does that mean?(5pts)

2. Complete the equation (7pts)



3. Draw the Lewis Dot Structure of HCl and NH₃ (10pts)

Materials:

1. HCl
2. Ammonia
3. Beakers
4. Test Tube
5. Test Tube Stand
6. Eye Dropper
7. Baking Soda

Procedures:

1. Set up test tube stand
2. Coat the inside of the test tube with HCl and pour excess HCl back into the beaker
3. Add 3-6 drops of ammonia to the test tube using the eyedropper
4. Pour the contents of the test tube in the proper disposal container

Safety(8pts)

- 1.
- 2.
- 3.
- 4.

Analysis:(6pts)

Explain what happened in two sentences.

Conclusion:(20pts)

1. Was your hypothesis correct or incorrect?(4pts)
2. What state of matter was HCl and NH_3 ? (4pts)
3. When you mixed the HCl and NH_3 , what state of matter did it produce?(4pts)
4. HCl is what type of substance? And what pH does it have?(4pts)
5. Ammonia is what type of substance? What pH does it have?(4pts)