

Exp. Name?

Ex: Equilibrium

Date: 20/10/2023

~~Your name?~~ Sameed Ahmed

5B: 10 drops of Na_2CO_3

6B: 10 drops of AgNO_3 , yellowish change in colour, slightly cloudy

7B: 2 drops of HNO_3 , colour change cloudy back to clear, no longer cloudy or yellow

8B: 8 drops of HCl , cloudy white colour, hint of smell of vinegar

9B: 13 drops of NH_3 clear solution with cloudy white precipitate on bottom

10B: 10 drops of HNO_3 , solution is clear with temperature increase

10B: 10 drops of NH_3 No change

11B: 10 drops of KI white opaque precipitate forming on top

12B: 3 drops of Na_2S opaque precipitate on top turns muddy brown

1A: 20 drops of CuSO_4 clear blue solution

2A: 1 drop of NH_3 cloudy dark blue precipitate on top

3A: 10 drops of HCl blueish-white precipitate on bottom

4A: 2 drop of NH_3 13 drops of HCl blueish-purple with no precipitate

20/10/23

Part A

Part C

Base pH = 7.99

2.5g of NaHCO_3 added

pH change = 8.52

No colour change

32 mL of HCl added

Bubbling occurs

pH = 7.20

10 mL of lactic

No change

Speed inc 6 \rightarrow 9

Bubbling increases

pH = 7.24 (minimal change)
32

0.50 of NaHCO_3 added

pH = 7.45

0.50g of NaHCO_3 added

pH = 7.56

~~20/10/22~~

Added 9 g of Dry ice
Smoking effect

pastel like
smell

$$\text{pH} = 7.56$$

Added 0.4 g of NH_4Cl

$$\text{pH} = 7.61$$

~~20/10/23~~