Describing O.C.s

1 Colour/smell of gases

Cl2 very pale yellowish green gas

Br2 brown gas

requires heart 12 purple gas

("Br2 is liquid in) NO2 brown gas

SO2 choking/ pungent smell

NH3 choking/ pungent smell

2 Colour of salts(s)

ATB-

- both colourless in cap -> usually white
- either one coloured -> follow its colour
- both coloured -> mix colours / choose more distinct colour

2 Observable changes

 $X(s) \rightarrow XY(cq)$ $XY(cq) \rightarrow Y(s)$ $X = XY(cq) \rightarrow Y($

3 Examples

 $2H_{(aq)}^{+} + CU_{(s)} + H_{2}SO_{4(e)} \rightarrow Cu^{2}_{(aq)} + SO_{2(q)} + 2H_{2}O_{(e)}$ copper dissolves 与 只能说有什么 reactant, product 要用 colour + state和咨 - Cuisi > Cuzting) - -> Cu2+ (aq) solution turns from colourless to blue - → SO2 (g) colourless gas bubbles evolve - -> SO2 (g) choking smell - only slightly sol. in woiter CO(s) + 2H2O(e) -> (a(OH)2(s/aq) + H2(g) - COI(s) - COI2 corg) calcium dissolves white solid deposits - COICS) -> COI(OH) z caap -> H2(9) colouriess gas bubbles evolue