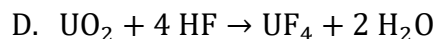
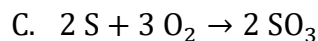
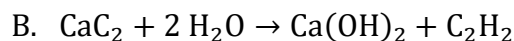
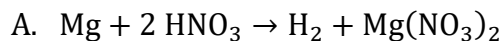


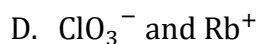
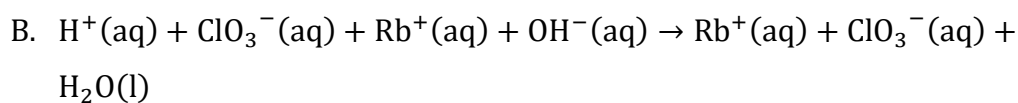
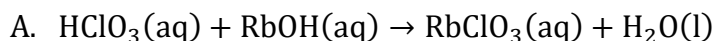
1. A. $2.31 \times 10^{-5} \text{ M Pb}^{2+}$ B. $4.92 \times 10^{-8} \text{ M Zn}^{2+}$ C. $1.28 \text{ M H}_2\text{O}_2$ D. 3.759 M NaOH

2.

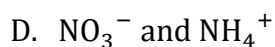
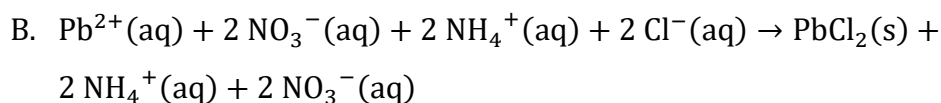
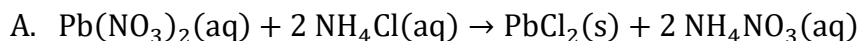


3.

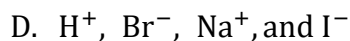
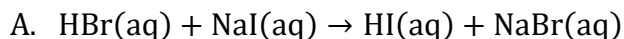
i.



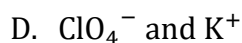
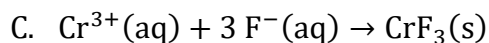
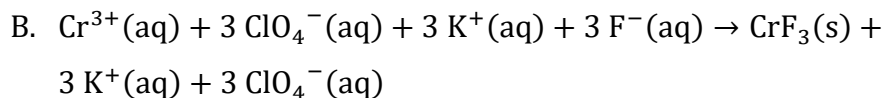
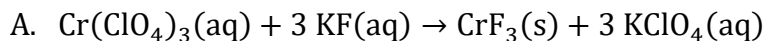
ii.



iii.



iv.



4. (A) weak electrolyte (B) strong electrolyte (C) weak electrolyte (D) strong electrolyte (E) nonelectrolyte (F) strong electrolyte (G) weak electrolyte (H) strong electrolyte (I) nonelectrolyte

5.

Question	Oxidized	Reduced	Oxidizing agent	Reducing agent
A	Fe ($0 \rightarrow +3$)	O ($0 \rightarrow -2$)	O ₂	Fe
B	C ($0 \rightarrow +2$)	Zn ($+2 \rightarrow 0$)	ZnO	C
C	Not redox	Not redox	Not redox	Not redox
D	C ($-2\frac{2}{3} \rightarrow +4$)	O ($0 \rightarrow -2$)	O ₂	C ₃ H ₈

6. (A) Yes (B) No (C) Yes

7. (A) 7.99 g Na (B) 22.6 g NaN₃

8. 80.3%

9. (A) 78.5 g MgCl₂ (B) 4.13 g Mg

10. C₂₀H₃₀

11. 11.7 mL HNO₃ sol'n