

REDOX REACTIONS

(redox reagents: MnO_4^- , (i) with and (ii) without acid)

Test solutions/compounds: Cu(s) , Fe(s) , Br^- , I^- , Fe^{2+} , Fe^{3+}

Prepare the solution of MnO_4^- with acid by mixing equal volumes of the MnO_4^- solution and the acid solution.

Mix equal volumes of the redox reagents with the test solutions (approximately 1-2 mL). Tabulate your observations below, noting things like: colour change, precipitate, colour of precipitate, gas evolution, heat, etc

The mixtures containing Fe require activation energy  / catalysis . Ask your demonstrator for further info.

	MnO_4^- with acid	MnO_4^- without acid
Fe		
Fe^{2+}		
Br^-		

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