



1 Identify the oxidising agent and reducing agent in this reaction: $F_2 + 2KBr \rightarrow 2KF + Br_2$

oxidising agent = F_2 reducing agent = KBr (or Br^- in KBr)

2 State the oxidation state of the sulfur in the following species.

species	H_2S	S_8	SO_3^{2-}	H_2SO_4	SO_2	SF_6	$NaHSO_3$
oxidation state of S	-2	0	+4	+6	+4	+6	+4

3 Write a half equation for each of the following conversions.



4 Combine these pairs of half equations to make a redox equation.

