

Redox Instructions

Hi Everyone, hope you are well?

The tasks for this week:

- a) Have a go at the ionic bonding quiz to test your understanding of the last topic
<https://quizizz.com/join/quiz/5ea5a7ea3be6d5001ccbf193/start?from=soloLinkShare&referrer=5d2e8263a88f6001b5433cd>
- b) Watch the video
- c) Have a read through the following links which go into a bit more detail:
 - i) Assigning oxidation states
<https://www.chemguide.co.uk/inorganic/redox/oxidnstates.html>
 - ii) Ionic half equations
<https://www.chemguide.co.uk/inorganic/redox/equations.html>
- d) Attempt the oxidation state question sheet and then use the mark scheme to assess your work.
- e) Attempt the ionic equations works sheet and then assess your answers with the mark scheme
- f) Extension: These half equations are very useful when it comes to understanding hydrogen fuel cells. Have a look at the following link and then try and come up with advantages and disadvantages of the acidic and alkaline versions. (not just the advantages of fuel cells in general)
<http://www.docbrown.info/page01/ExIndChem/electrochemistry11.htm>

Enjoy

Mr Crook