

Ionic Bonding Instructions

Hi Everyone, hope you are well?

The tasks for this week: (complete in this order)

- a) Have a go at the moles quiz to test your understanding of the last topic
<https://quizizz.com/join/quiz/5ed618e0f04df1001b397fa7/start?from=soloLinkShare&referrer=5dd2e8263a88f6001b5433cd>
- b) Complete and then mark the IGCSE ionic review
- c) Watch the video which hopefully explains a few things
- d) Have a read through the following links which go into a bit more detail:
 - i) Sizes of atoms and ions
<https://www.chemguide.co.uk/atoms/properties/atradius.html#top>
 - ii) For the Lattice enthalpy stuff:
<https://www.chemguide.co.uk/physical/energetics/lattice.html>
Go as far as the subtitle of calculating lattice enthalpy
- e) Attempt the Lattice Energy question sheet and then use the mark scheme to assess your work. You don't need to print the questions out, just write your answers onto lined paper.
- f) Attempt and mark the Polyatomic Ions questions sheet
- g) Extension: Have a look at the link below which talks about the different types of lattice possible. There are some questions to have a go at the bottom of the page and also have a go at investigating different types of lattice and why they form.
<https://www.chemguide.co.uk/atoms/structures/ionicstruct.html#top>

Enjoy

Mr Crook