

Quiz 7.5 – Ionic Bonds

Name: _____

Problem 1 (2 points)

Draw the dot diagram for both the neutral atom and the most stable ion of each element:

○ Ca

○ F

Question 2 (2 points)

List the ionic compounds in order of increasing lattice energy

NaCl CaS MgO CaCl₂ KBr

Question 3 (1 point)

Lattice energy is essentially equivalent to enthalpy of formation

True False

Because I Could Not Stop for Death (479)

By Emily Dickinson

Because I could not stop for Death –
He kindly stopped for me –
The Carriage held but just Ourselves –
And Immortality.

We slowly drove – He knew no haste
And I had put away
My labor and my leisure too,
For His Civility –

We passed the School, where Children strove
At Recess – in the Ring –
We passed the Fields of Gazing Grain –
We passed the Setting Sun –

Or rather – He passed Us –
The Dews drew quivering and Chill –
For only Gossamer, my Gown –
My Tippet – only Tulle –

We paused before a House that seemed
A Swelling of the Ground –
The Roof was scarcely visible –
The Cornice – in the Ground –

Since then – 'tis Centuries – and yet
Feels shorter than the Day
I first surmised the Horses' Heads
Were toward Eternity –