

Name:

Date:

Period:

Ionic Bonding Video Review – Mrs. Cronin – 8th Grade Physical Science

Part 1:

Watch the video title “Ionic Bonding Introduction”

<https://www.youtube.com/watch?v=Qf07-8Jhhpc>

1. What is an ionic bond?

2. What is the direction of electron movement when ionic bonds form?

3. What is the difference between Chlorine and Chloride?

Part 2:

Watch the video titled “Ionic Bonding Part 2”

<https://www.youtube.com/watch?v=5EwmedLuRmw>

We are going to skip this in class....you should be able to fill in the blanks below based on your knowledge so far

1. To become stable, every atom needs to have a _____
_____ (3 words).

Part 3:

Watch the video titled "Ionic Bonding Part 3".

<https://www.youtube.com/watch?v=RkZNYuSho0M>

1. What is electronegativity?
2. In ionic bonding metals become _____ (2 words) because they _____ electrons. Nonmetals become _____ (2 words) because they _____ electrons.
3. Describe the crystal lattice structure formed in ionic bonding.
4. How does one name ionic compounds (hint: order)?
5. Which one is the correct formula salt: $\text{Na}^+ \text{Cl}^-$ vs. NaCl ? Why?

Honors only:

In your own words, describe the periodic trend in ionization energy across a period and in a group, and explain why this trend is observed. (the why).