Unit 4: Periodic Trends Periodic Trends Jigsaw Activity

Name	
Date	Block

Periodic Trend Research

Which trend are you researching? Shielding Effect
Define "shielding effect".
How is shielding measured?
What happens to the trend moving from left to right across a period?
Why?
What happens to the trend moving down a group?
Why?
How does shielding affect valence electrons?
What is "effective nuclear charge"?
How is effective nuclear charge different for: Na ⁺¹ , F ⁻¹ and Ne?
How does Coulomb's Law affect this trend?
Which period experiences the greatest shielding effect?/
Which period experiences the least shielding effect?/
How do you think this trend affects chemical bonding ?
How does this trend affect the other trends ?
st the other members in your group: