10. An unknown distance separates two charges. Charge A is 8.9nC and charge B is

6.3nC. If the F_{electric} is 5046N, what is the distance?

- 12. If a point charge has an electric field strength of 3500N/C and an electric force of 2500N, what is its charge?
- 13. If a point charge has 5C and a force of 300N, what is its electric field strength?
- 14. Solve for total R

15. Solve for total R

Period:

- 16. An ipod has a 3.5v battery inside it. If the ipod uses 2W of power, what is the resistance of all the components of the ipod?
- 17. The iphone wall charger uses .00045W of power. If you had the charger plugged in for a whole year at \$0.12 per kWh, how much would it cost?