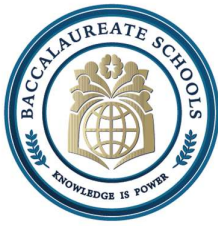


Please refer to your Physics book pages 240 – 269 and 321 - 347 for the shown material in the table below

Topic	Details
Atoms and Atomic Structure	<ul style="list-style-type: none">- Atomic Theory- John Dalton Theory- Atoms as building blocks, molecules- Electrons (J. J, Thomson's theory and experiment)- The Nucleus (Rutherford's theory)- Periodic Table- Periodic physical trends- Effective charge, atomic radius, electronegativity, ionization energy and metallic character.
Attractive and Repulsive forces in atoms	<ul style="list-style-type: none">- Coulomb's forces between atoms- Ionic Bonds (losing and gaining)- Covalent Bonds (sharing)- Covalent Bonding Energy- Metallic Bonds (free electrons)- States of Matter
Material Properties	<ul style="list-style-type: none">- Conductivity of Materials- Stress and Strain- Young's Modulus and plastic deformation- Bulk Modulus- Metallic Properties in alloys- Calculating Alloy's Density
Momentum and Impulse	<ul style="list-style-type: none">- Linear Momentum- Net Momentum of a system of objects- Moment of Inertia- Impulse- Conservation of Momentum- Law of conservation of Linear Momentum- Impulse Momentum Theorem



Collisions	<ul style="list-style-type: none">- Momentum and Impulse in collisions- Types of collisions- 1D collisions problems analysis- 2D collisions problems analysis
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- **Any subtopics in the book that are not mentioned in the above table are not required on the final exam.**
- **A review/summary sheet will be provided for you in course resource on LMS.**
- Priority is to refer to Your NOTES and Worksheets and Quizzes.
- Please bring your own Calculator to the exam.
- The classes between 7th and 11th of November will be dedicated to any questions or explanations and review of the Final material.