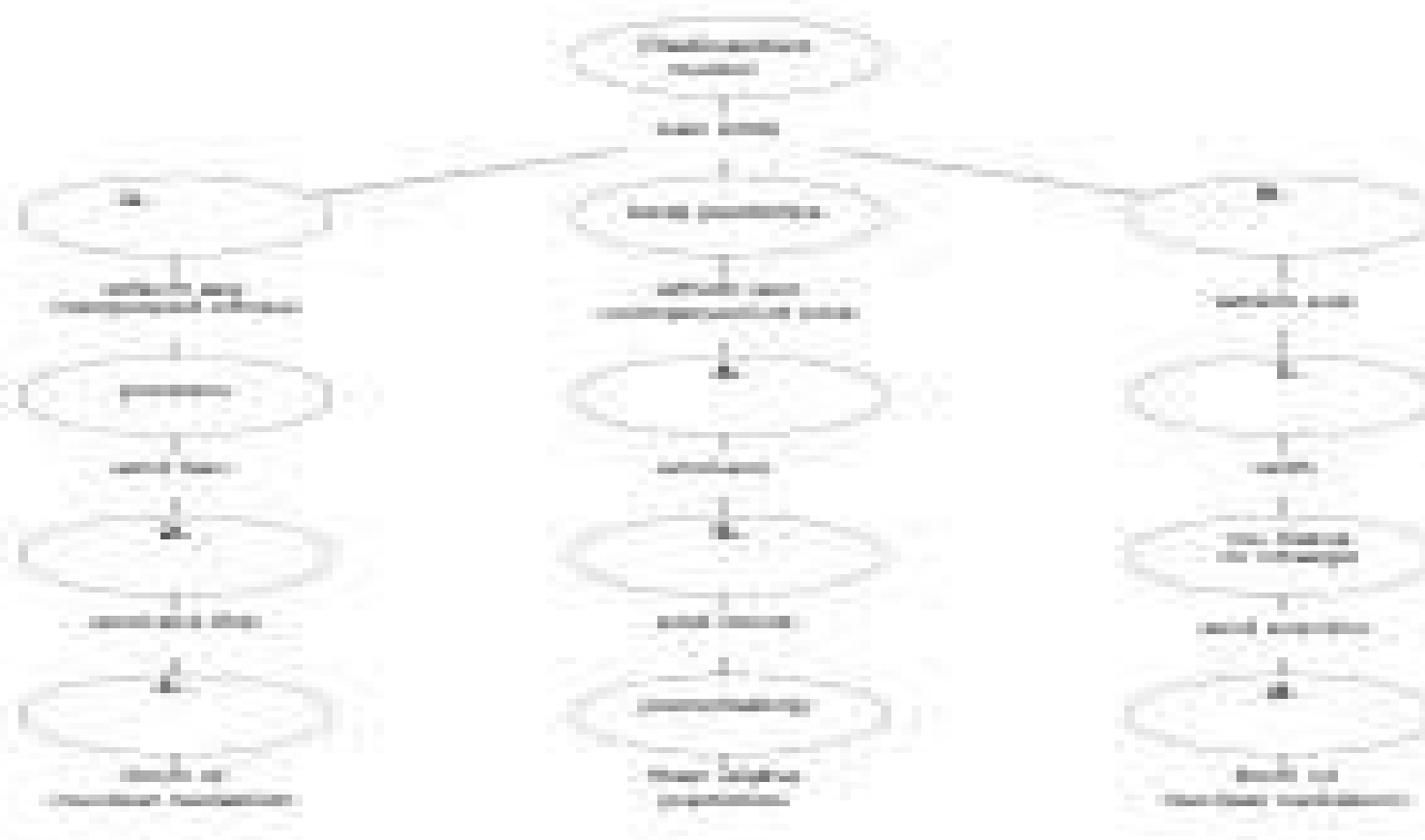




Chapter 1 Radioactivity and Nuclear Reactions (principles of physics 10th ed)

Summary: This chapter introduces the concepts of radioactivity and nuclear reactions, and the principles of physics that govern them. It covers the following topics:

- Radioactive decay: the process by which an unstable nucleus loses energy by emitting ionizing radiation.
- Types of radioactive decay: alpha decay, beta decay, gamma decay, and positron emission.
- Half-life: the time taken for half of a sample of a radioactive substance to decay.
- Nuclear reactions: the process by which two or more nuclei interact to form new nuclei and particles.
- Conservation of mass and energy in nuclear reactions.
- Applications of radioactivity: medicine, industry, and energy production.



Part B Concept Review Radioactivity And Nuclear Reactions

Rachel S Tattersall



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