CHAPTER 4 SUMMARY

Summary Questions

1. Use the Key Concepts in the margin on page 160 to create a study guide for this chapter. For each point, create three or four subpoints that provide further information, relevant examples, explanatory diagrams, or general equations.
2. Look back at the Starting Points questions on page 160. Answer these questions using what you have learned in this chapter. Compare your latest answers with those that you wrote at the beginning of the chapter. How have your answers changed?

Vocabulary

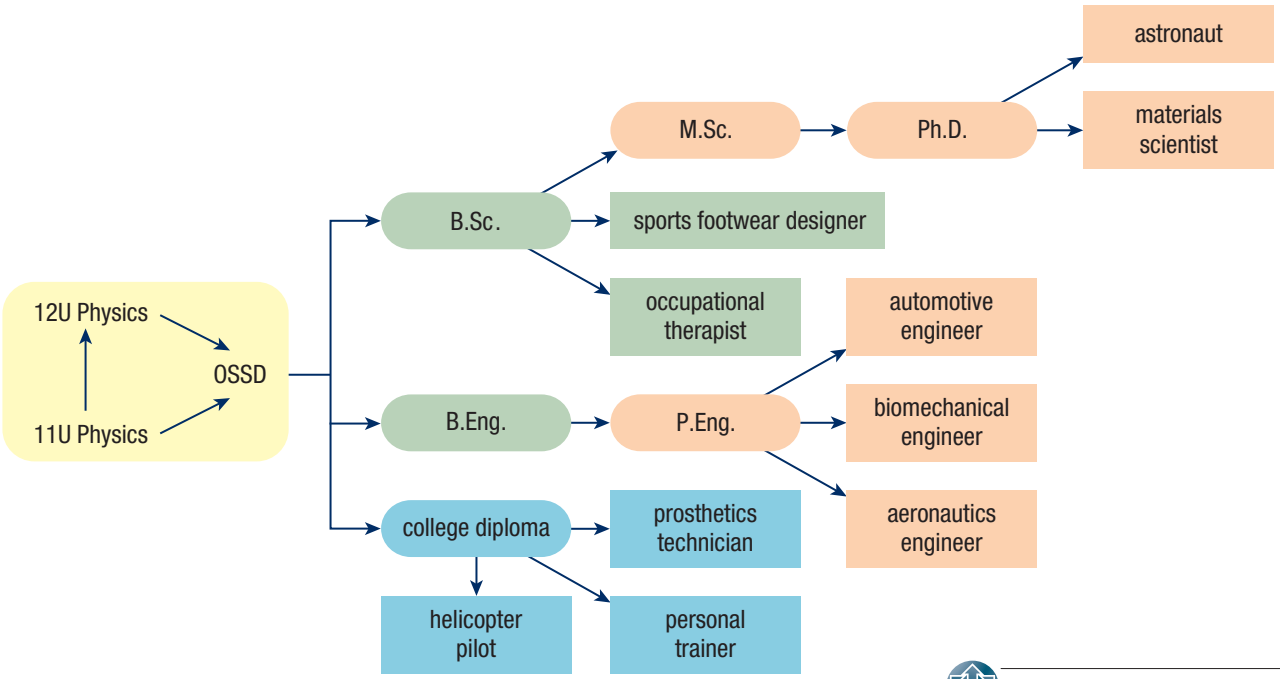
free fall (p. 162)
terminal speed (p. 163)
force field (p. 164)
gravitational field strength (p. 164)
static friction ($\vec{F}_S$) (p. 168)
kinetic friction ($\vec{F}_K$) (p. 168)
coefficient of friction (μ) (p. 169)
coefficient of static friction (μ_S) (p. 169)
coefficient of kinetic friction (μ_K) (p. 169)

CAREER PATHWAYS

Grade 11 Physics can lead to a wide range of careers. Some require a college diploma or a B.Sc. degree. Others require specialized or post-graduate degrees. This graphic organizer shows a few pathways to careers related to topics covered in this chapter.

SKILLS HANDBOOK A7

1. Select an interesting career that relates to Applications of Forces. Research the educational pathways you would need to follow to pursue this career. What is involved in the required educational programs?
2. What is involved in becoming a prosthetics technician? Are there different pathways you could take to this career? Research at least two programs and summarize your findings in a brief report.



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