Chapter 5

Function and Movement of the Trunk and Neck

Maribeth P. Vowell, PT, MPH, EdD

Key Terms

- Anterior pelvic tilting
- Lateral pelvic tilting
- Backward pelvic rotation
- Lordosis
- Pelvic obliquity
- Base of support
- Dynamic balance
- Structural scoliosis
- Vertebral column
- Atlas
- Cervical retraction
- Valsalva maneuver

- Posterior pelvic tilting
- Forward pelvic rotation
- Kyphosis
- Neutral pelvic tilt
- Center of gravity
- Static balance
- Scoliosis
- Nonstructural scoliosis
- Intervertebral disk
- Axis
- Syndesmosis
- Muscle imbalance

Chapter Outline

Occupational Profile

Body Functions of the Trunk and Neck
- Motions of the Trunk and Neck
- Motions of the Pelvic Girdle
- Observation of Posture of the Trunk and Pelvic Girdle
- The Normal Vertebral Curves
- The Pelvic Girdle
- Observation of Balance and Postural Control

Common Problems Associated With the Spine and Pelvis

Body Structures of the Trunk and Neck
- Body Structures of the Spine and Rib Cage
- Body Structures of the Pelvic Girdle
- Ligaments
- Muscles of the Trunk and Neck

Applications

References