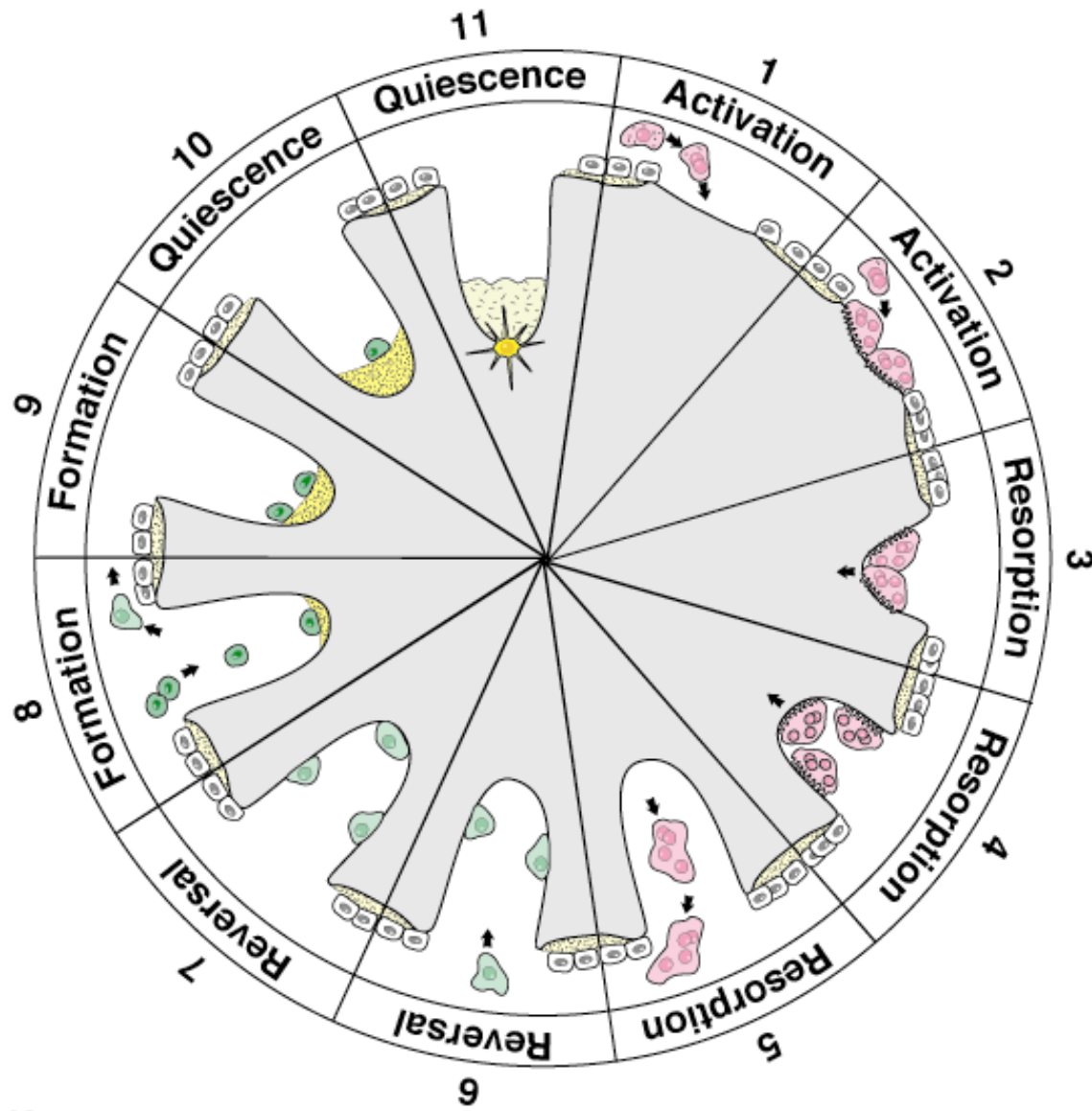


ACTIVITY 3E: ABNORMAL BONE REMODELING - WHEEL B STUDENT HANDOUT









ABNORMAL BONE REMODELING - WHEEL B Osteoporosis, Menopause, Anorexia Nervosa, Parathyroid Hormone Imbalance

Place the cover on the wheel. Start with the “window” on section one, then follow along as you listen to the events depicted in each eleven sections. Find the osteoclasts, osteoblasts and other parts on your wheel as learn about the events that occur in each bone remodeling phase. Consider how these events differ from those in “wheel A” and in the normal bone remodeling wheel.

Wheel B : Osteoporosis, Menopause, Anorexia Nervosa, Parathyroid Hormone Imbalance



Key:

- | | |
|---|---|
|  Lining cells (epithelial cells) |  Osteoblasts |
|  Pre-osteoclasts |  Non-mineralized bone matrix (osteoid) |
|  Osteoclasts |  New-mineralized bone matrix |
|  Mononuclear cells |  Osteocytes |