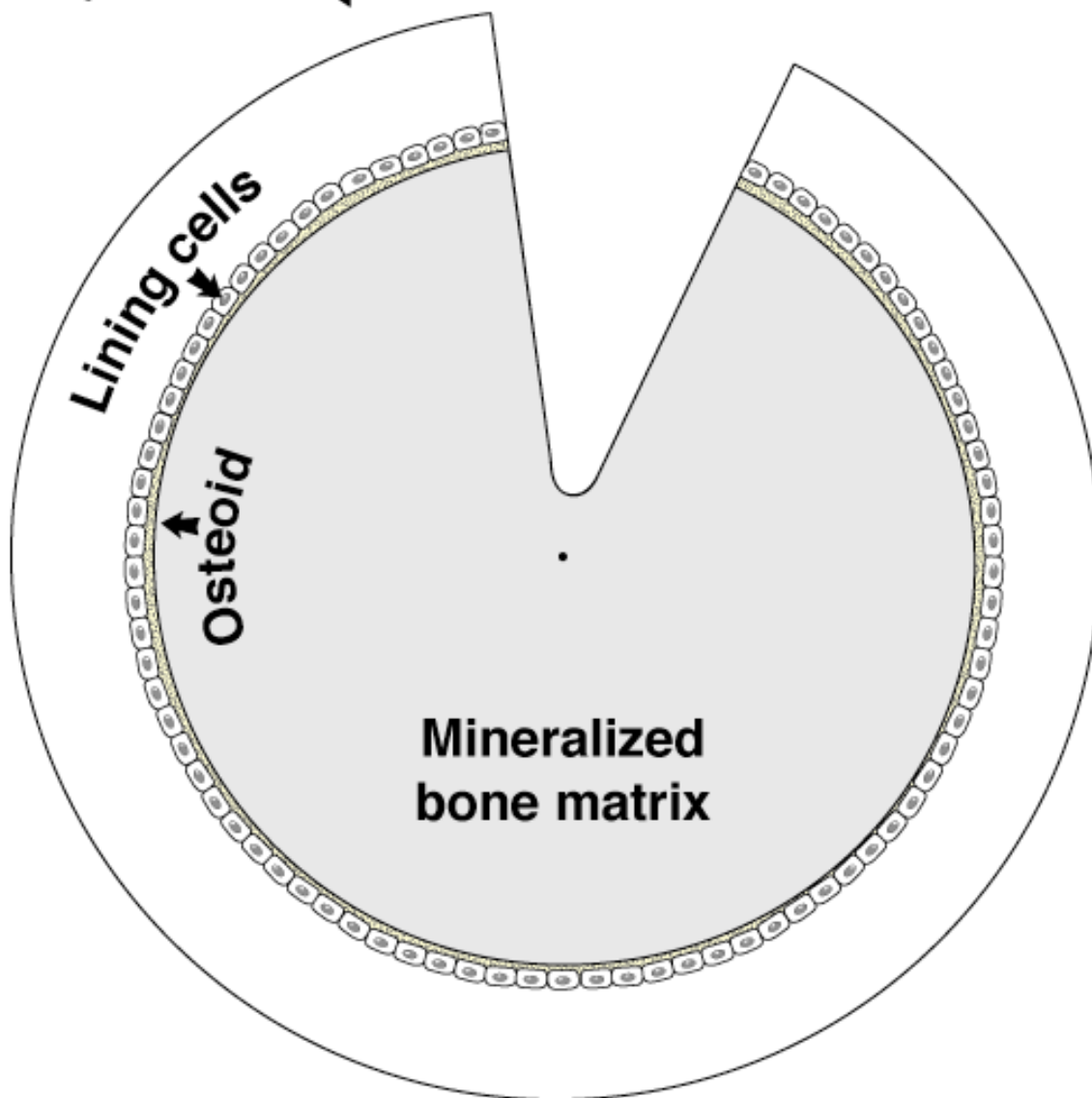
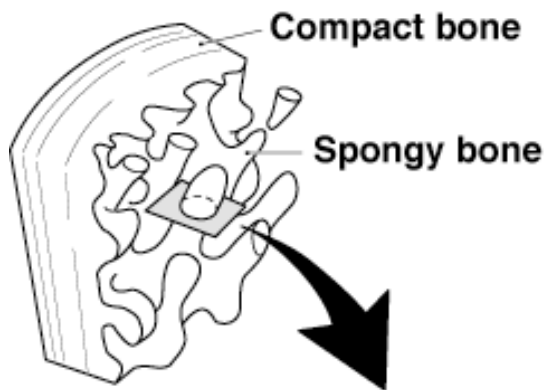


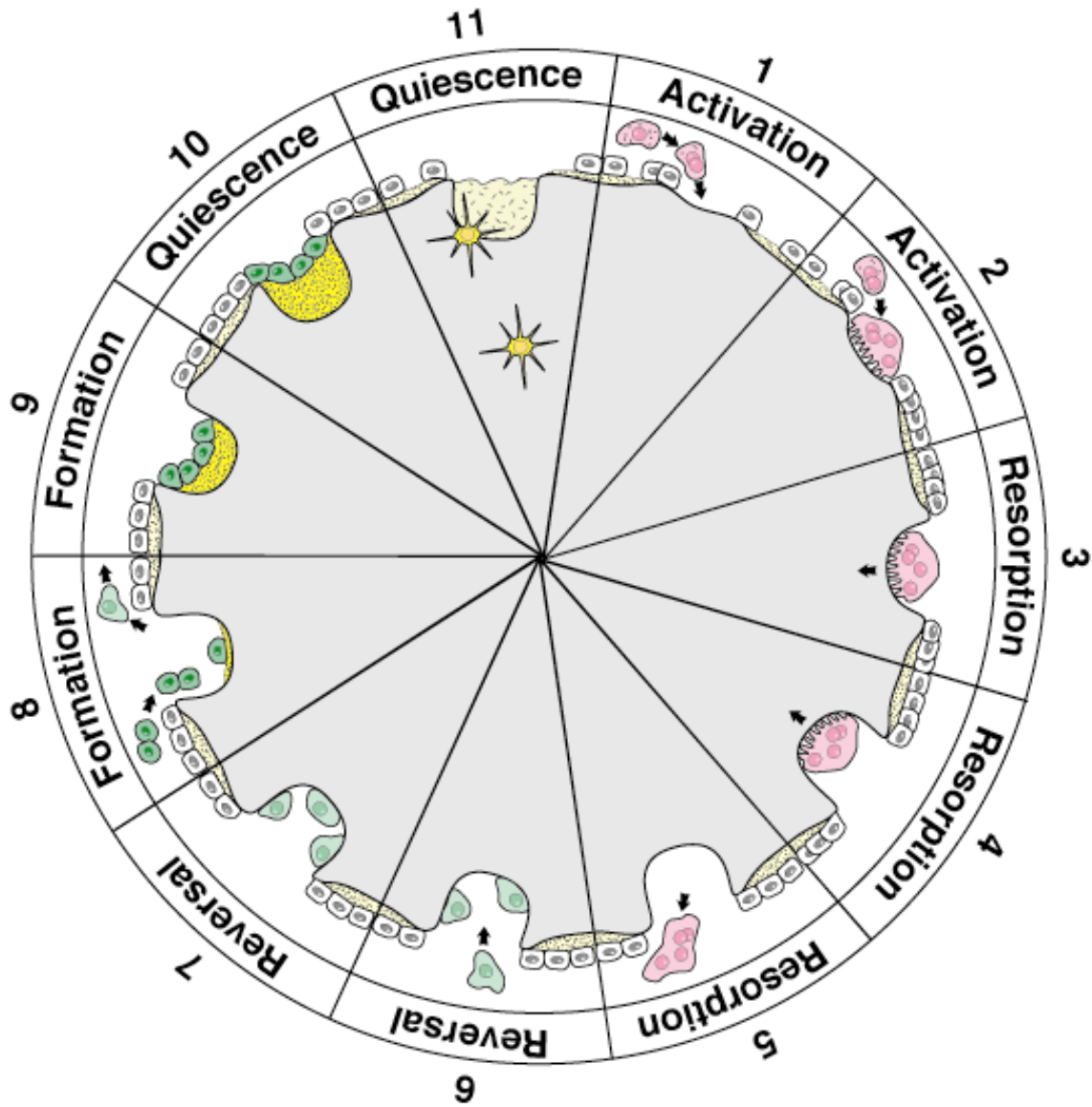
ACTIVITY 3D: HEALTHY BONE REMODELING

THE OSTEO BLASTER/CLASTER WHEEL









STUDENT HANDOUT

Carefully cut out the cover for the Osteo Blaster/Claster Wheel that is provided below. Push a two-prong brad through the dot in the center of the cover and then attach the cover to the base page. The “wheel” you have constructed will be used to learn about the events that occur during normal bone remodeling, maintenance, and repair. Set the “window” over section one and prepare for the activity that follows.





Key:

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