



This is a rough image of a Osteoclast. It is important to my field of my study which is orthopedics. The osteoclast is similar to artistic Sculpture. When bones heal an injury or grow, there is a excess amount of bone called a hard callus. This excess needs to remolded and sculpted so that the surrounding body has room and there is no impediment of function. The Osteoclast breaks down this excess of bone by secreting enzymes and acids that break down the bone on a micro level. This concludes the final step of the bone healing process and by the time the Osteoclasts are done, the injured bone will look good as new.