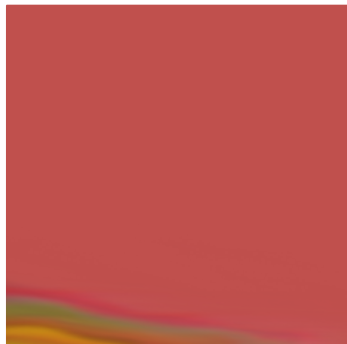
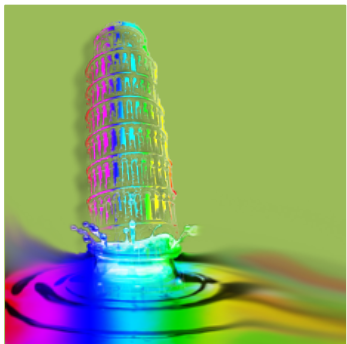
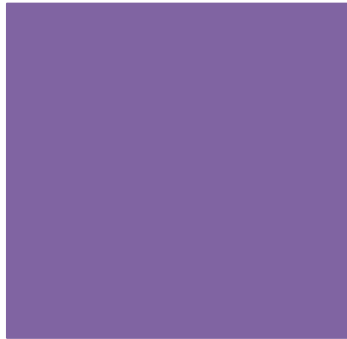
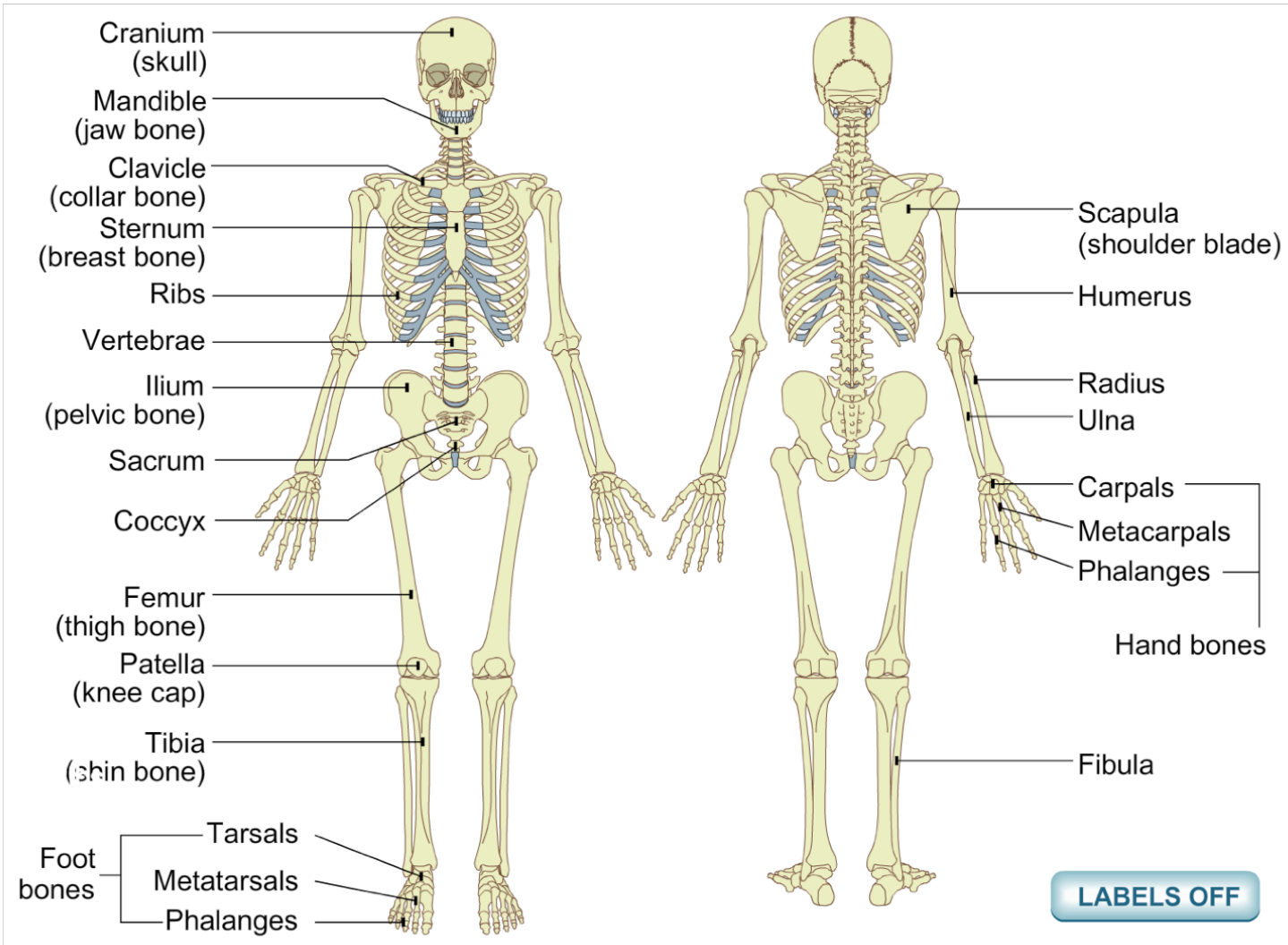


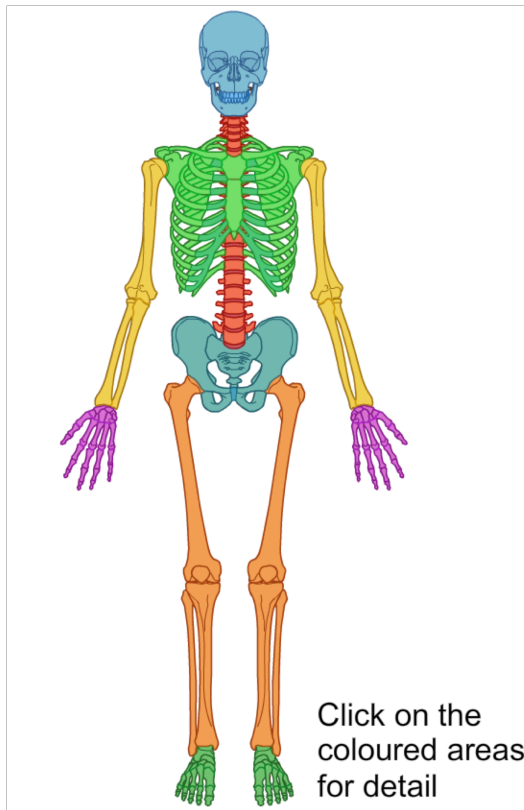


La struttura ossea

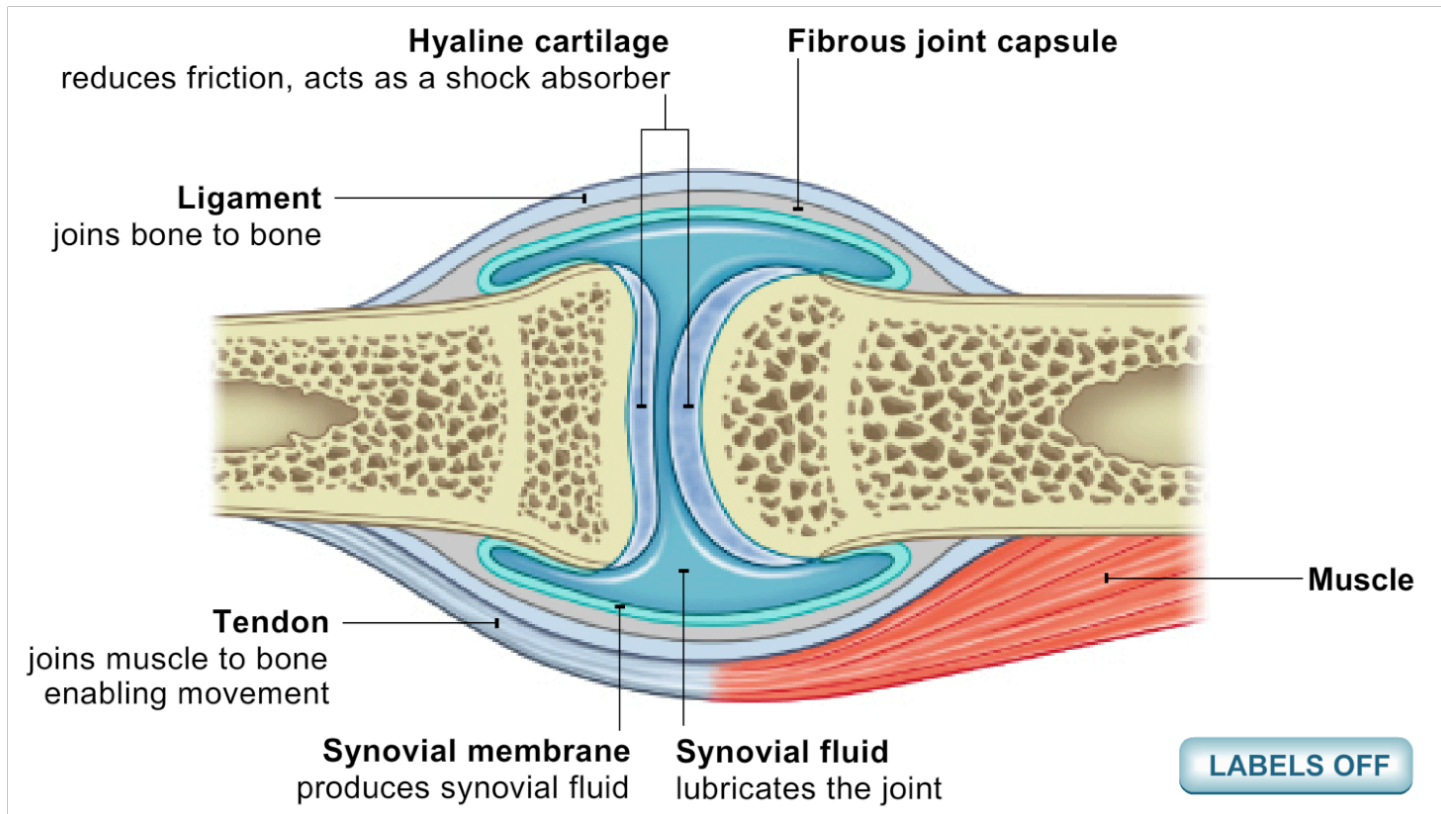


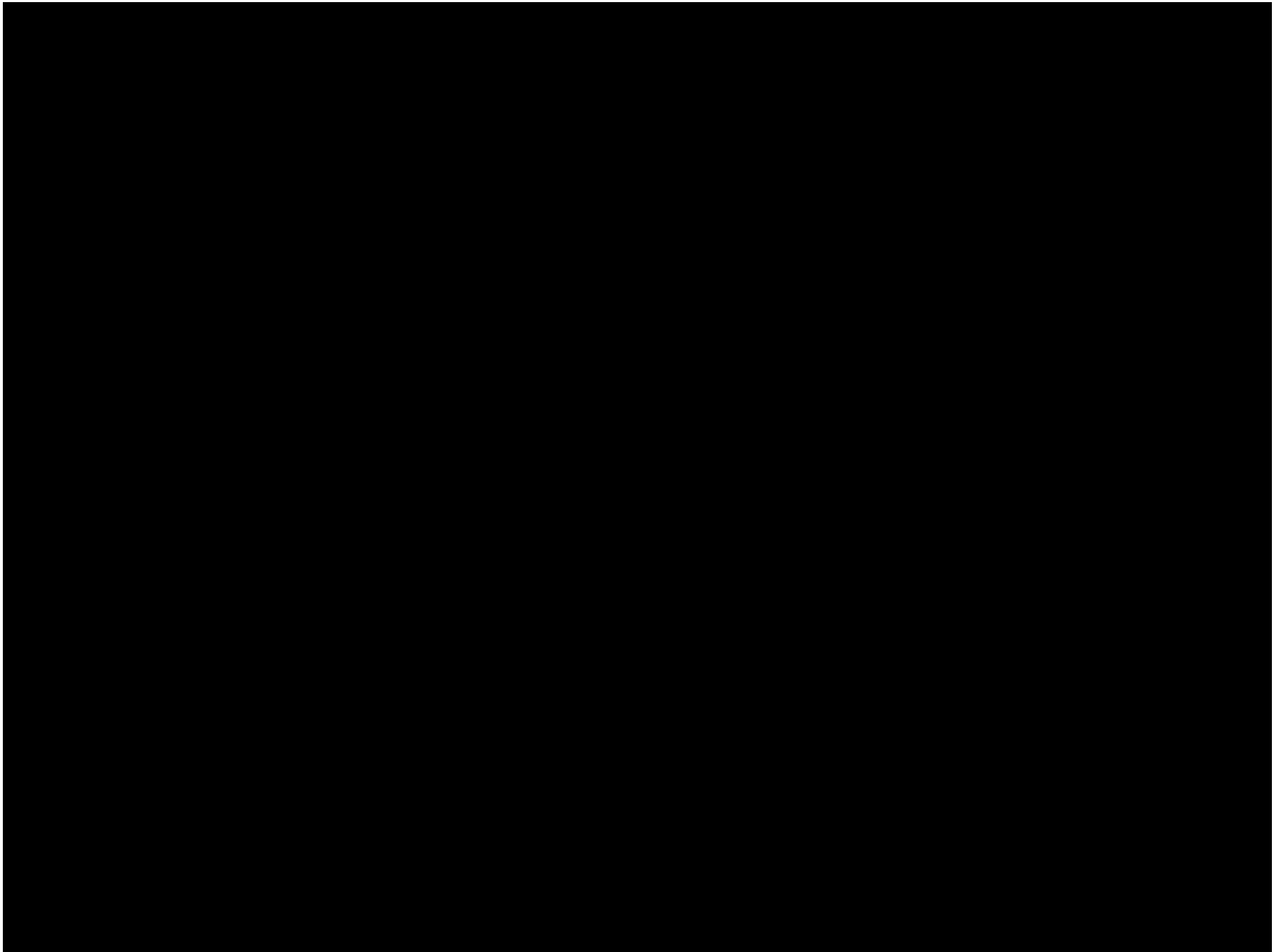
giovanni.vozzi@unipi.it

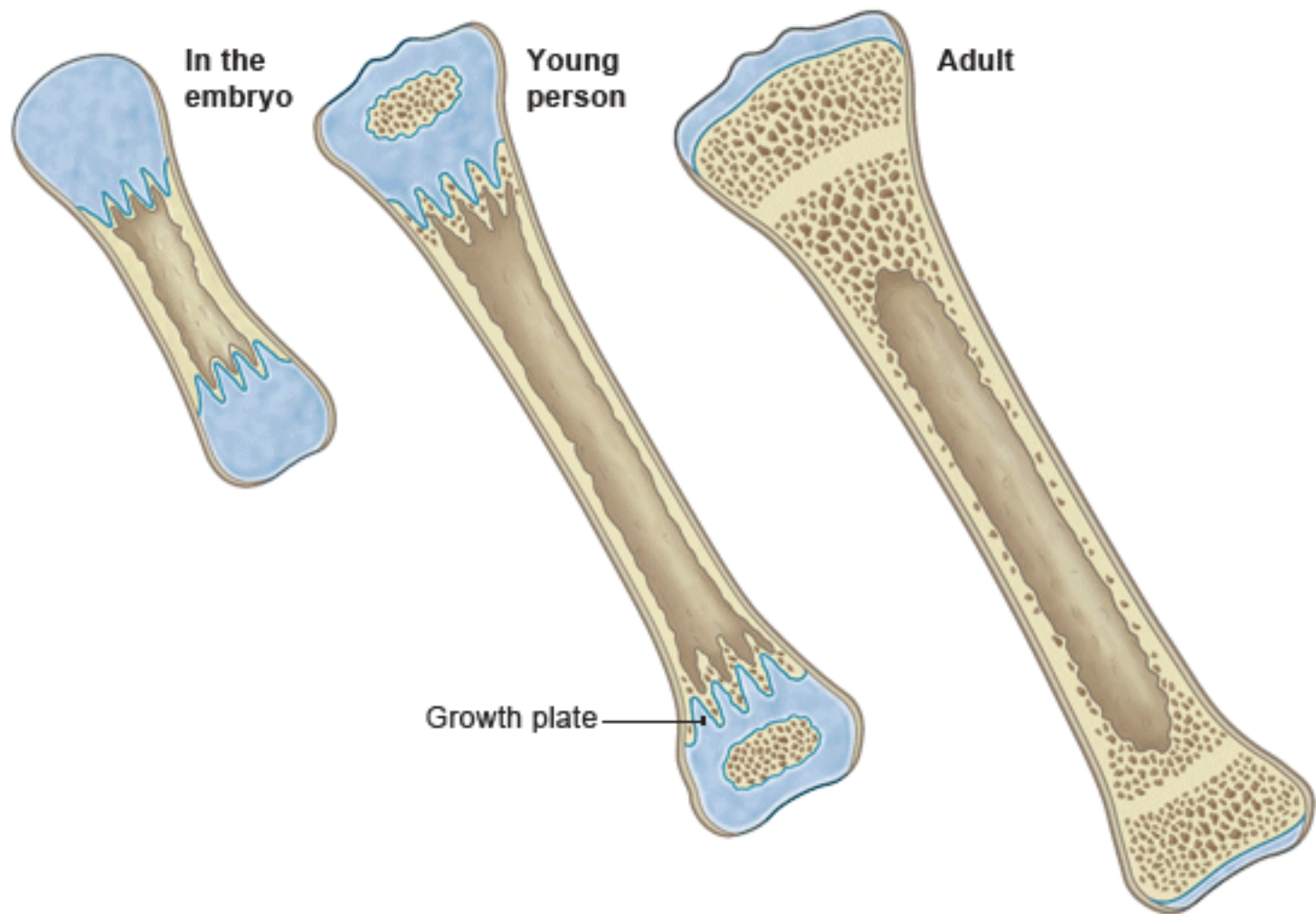




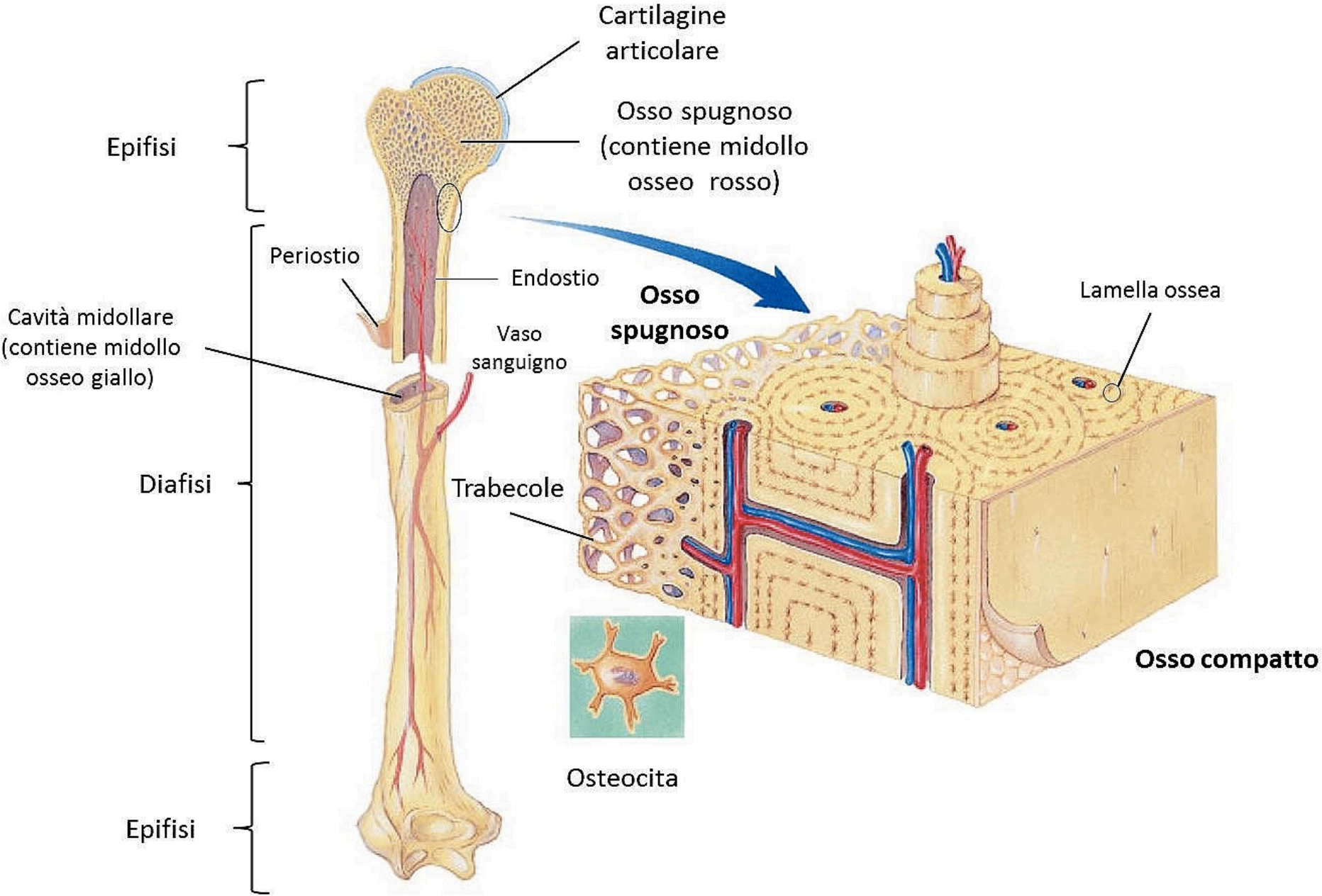
1. Protection - the cranium and ribs protect the brain and vital organs in the chest.
2. Shape - gives shape to the body and makes you tall or short.
3. Support - holds your vital organs in place when playing sport. The vertebral column holds the body upright.
4. Movement - muscle are attached to bones, which are jointed. When the muscles contract the bones move.
5. Blood production - red blood cells (to carry oxygen) and white blood cells (to protect against infection) are produced in the bone marrow of some bones.







OMERO



LE FASI DEL RIMODELLAMENTO OSSEO



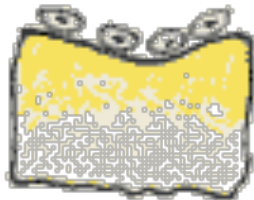
Quiescenza
cellule (osteoblasti)
allineate in riposo



Attivazione
I precursori degli osteo-
clasti iniziano la loro attività



Riassorbimento
Gli osteoclasti ero-
dono l'osso vecchio



Inversione
Gli osteoclasti hanno
completato il riassorbimento
Inizia l'attività degli osteoblasti



Formazione
Gli osteoblasti
ricostruiscono
l'osso



Mineralizzazione
della matrice
(il ciclo ricomincia)