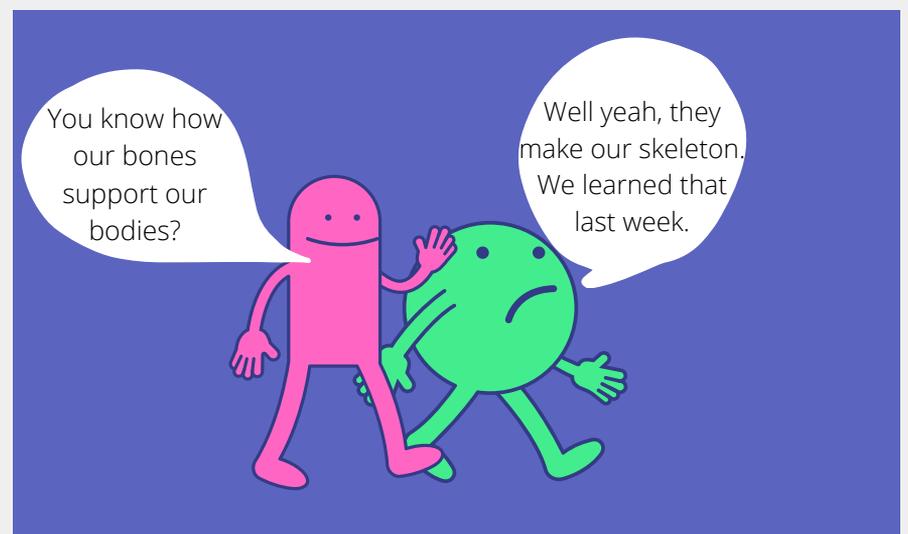
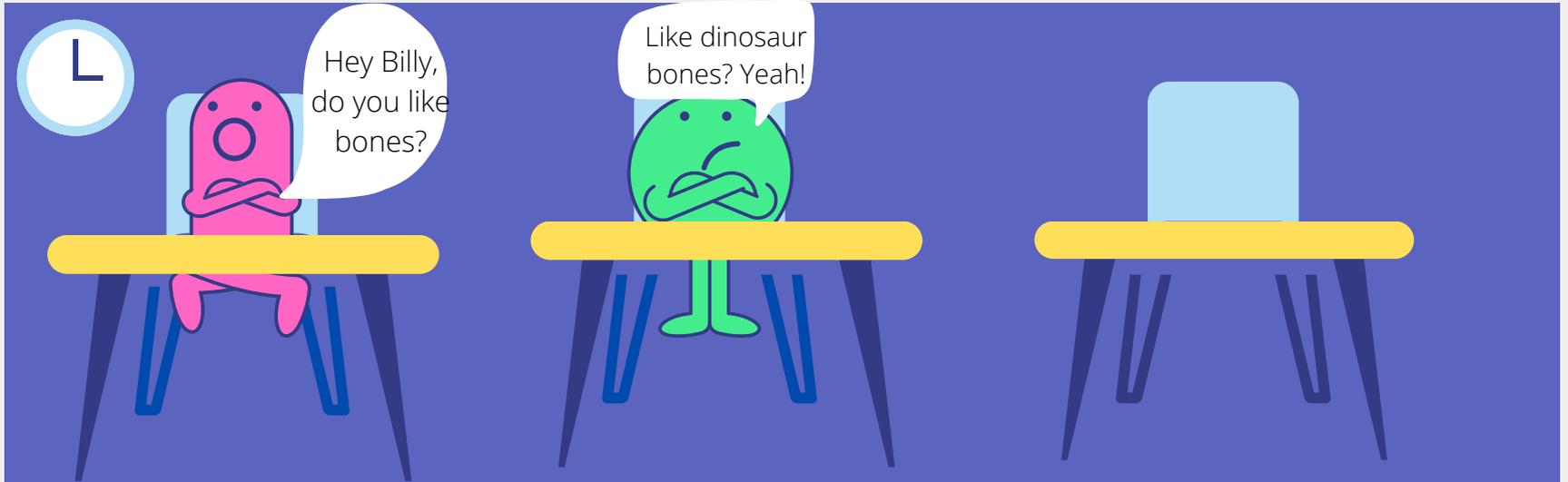
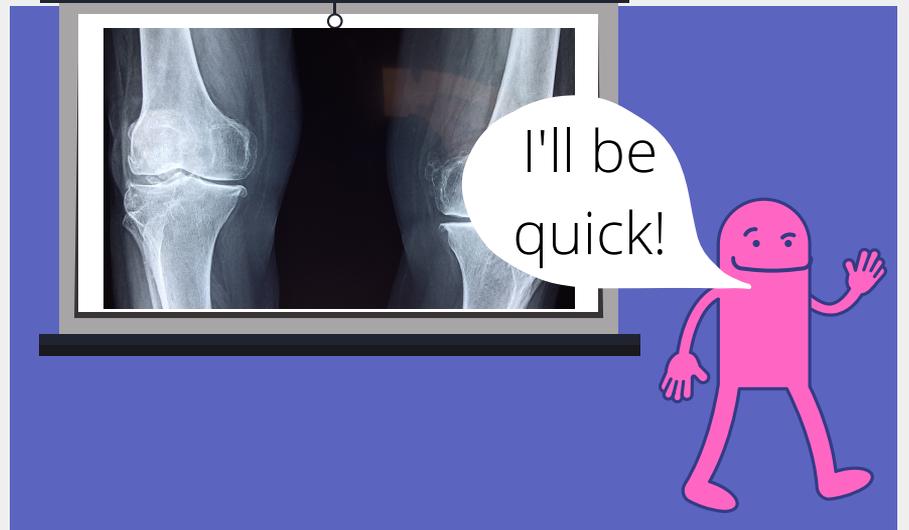
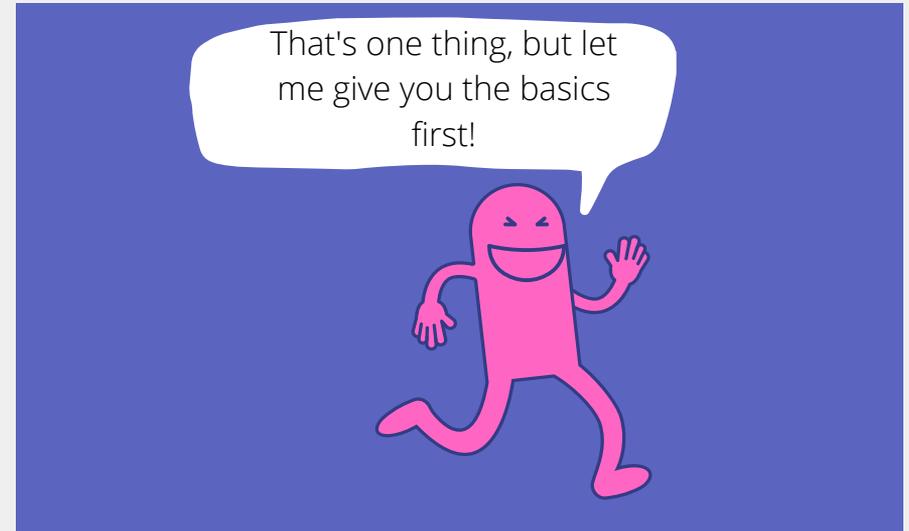
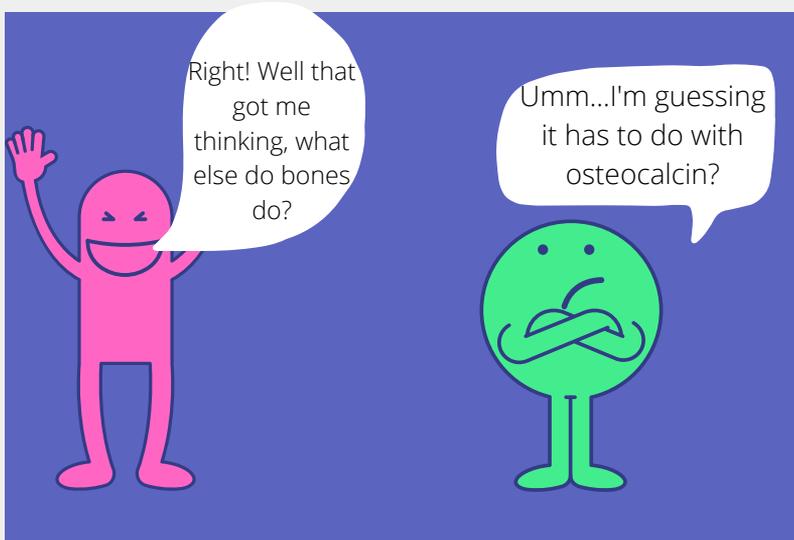


OSTEOCALCIN - HORMONE OF THE BONE

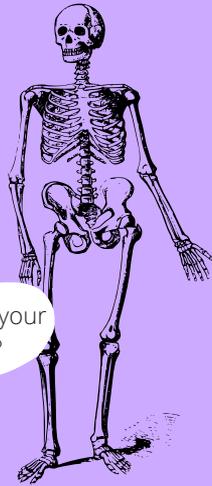


OSTEOCALCIN - HORMONE OF THE BONE



6 OF 7 FUNCTIONS OF BONE

Support



Did you forget your lunch Bob?



Protection



This is my summer home.



Movement



Look! We're twins!



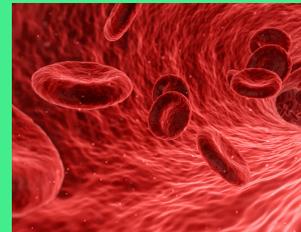
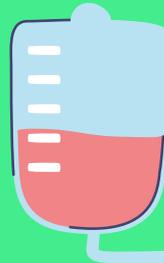
Mineral & Growth Factor Storage



So much room to grow!



Blood Cell Formation



Thanks bone marrow!



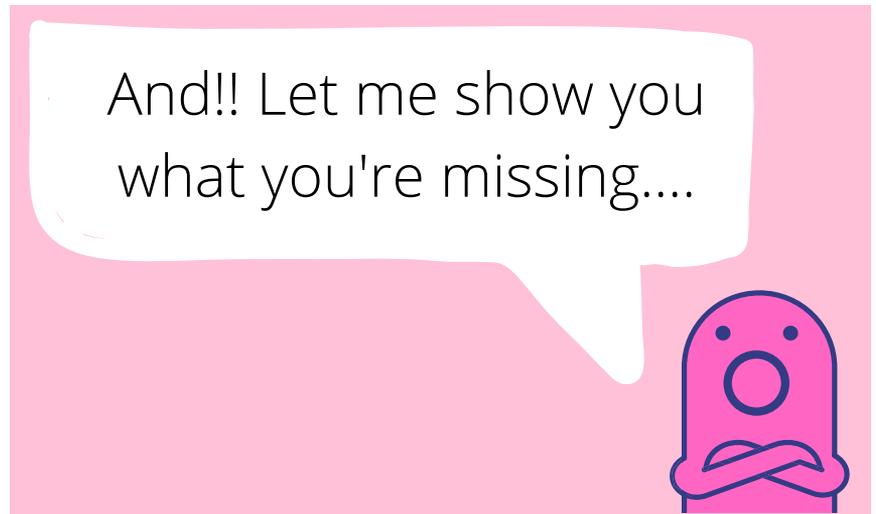
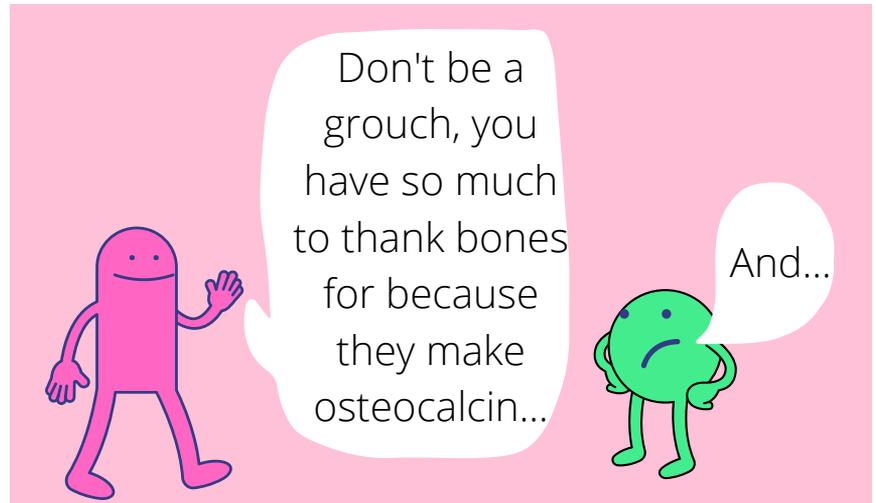
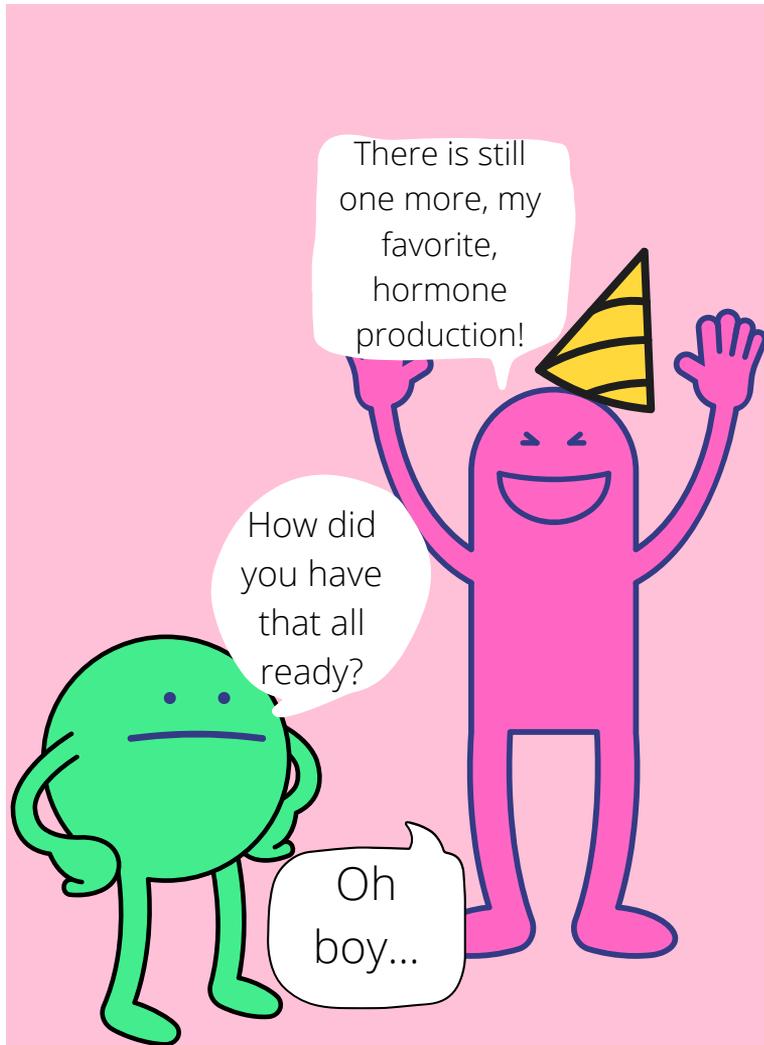
Fat Storage



Is this what they mean by healthy fat?



LAST BUT NOT LEAST



HORMONE PRODUCTION OF BONES

Secretion

Hey! I'm osteocalcin, and I wear many hats!

From the beginning, osteoblasts are what secrete the osteocalcin. And this hormone does a lot.



Bone Mineralization

Lets make these bones stronger!

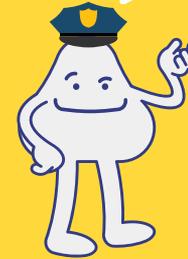


Osteocalcin helps fill in the bone matrix.



Glucose Homeostasis

Come on pancreas, give us some insulin.



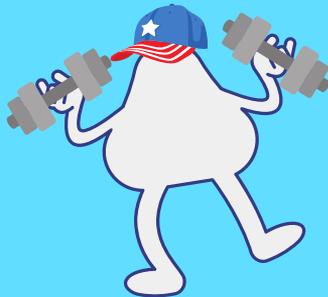
Just for you!

It also stimulates insulin to keep glucose stable.

Exercise Capacity

It increases muscle potential.

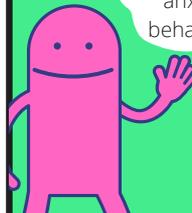
Keep it going!



Brain Development

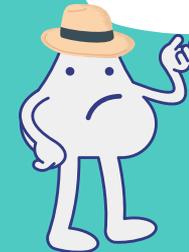
Osteocalcin even increases memory and reduces anxiety behaviors!

Keep learning, but less GABA please.



Male Fertility

It just has to do with testosterone...



I don't want to hear this one!



WHAT CAN'T OSTEOCALCIN DO?

