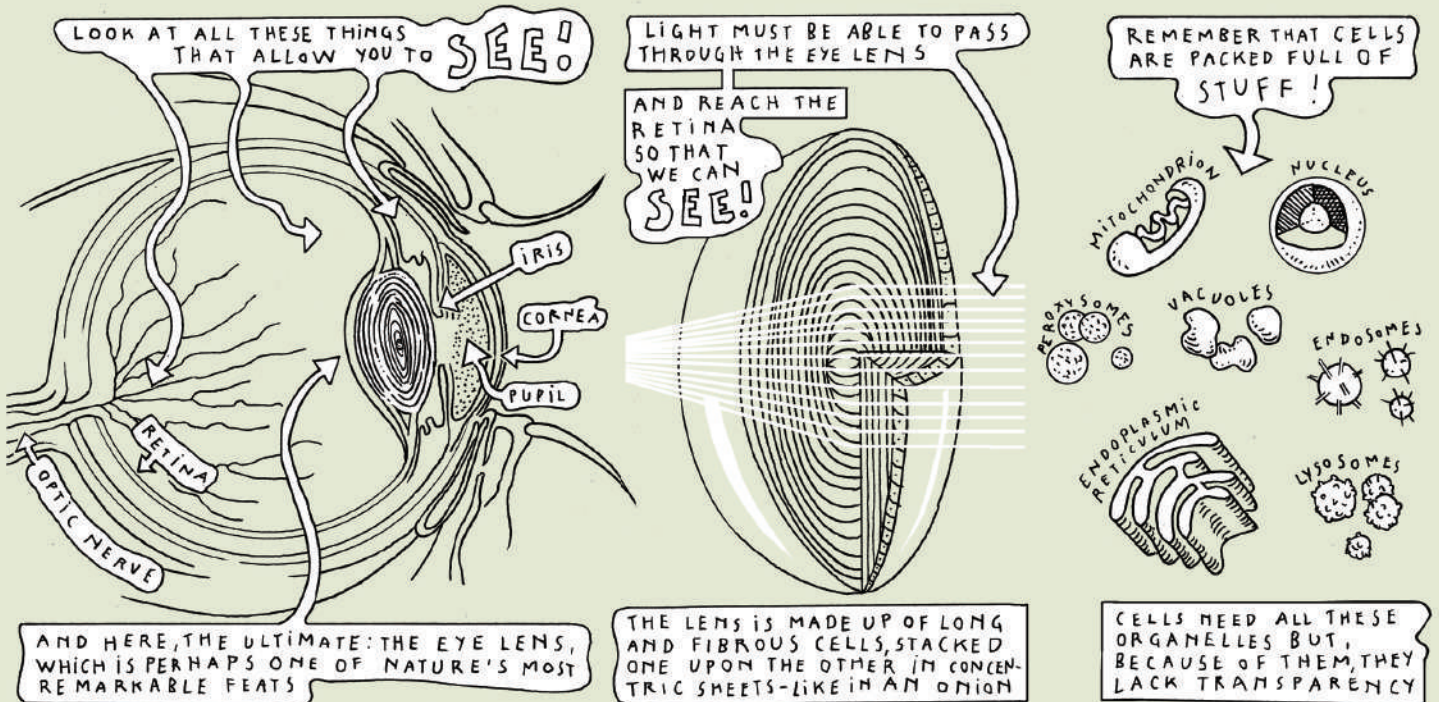




# THE MAKING OF TRANSPARENCY

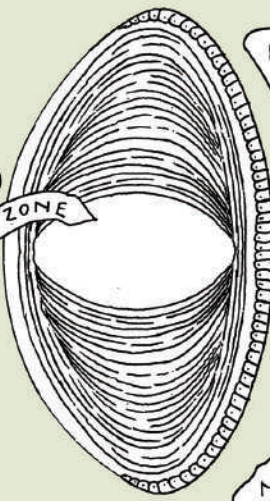
PLAATS (PHOSPHOLIPASE A & ACYLTRANSFERASE3)



SO, WHAT WE NEED TO DO, SWEETHEART, IS CLEAN THEM OUT

BUT NOT EVERYWHERE, JUST IN A CENTRAL ZONE OF THE LENS, I.E. THE OFZ

OR ORGANELLE FREE ZONE



ENZYMES FROM THE PHOSPHOLIPASE A (PLA)/ACYLTRANSFERASE (AT) FAMILY...

THE PLAAT FAMILY HAS FIVE MEMBERS... PLAAT 3 SEEMS TO BE THE MOST ACTIVE

...OR PLAAT FAMILY ARE INVOLVED IN JUST THIS

AND CLEANS OUT THE ORGANELLES SO THAT LIGHT CAN SHINE THROUGH



EYE LENS CELLS, EXCEPTIONALLY BIG, CAN REACH 1 CM IN LENGTH !!

PLAAT3 IS RAPIDLY DIRECTED TO ORGANELLES WHOSE MEMBRANES ARE ALREADY PARTIALLY DAMAGED

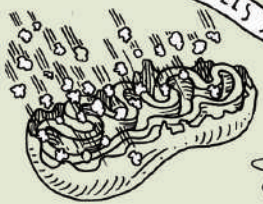
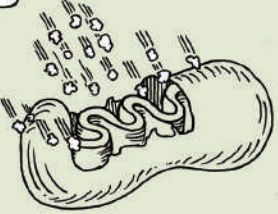
PLAAT3 CONTINUES TO BREAK DOWN THE MEMBRANE

AND THE DEBRIS IS SWEEPED AWAY BY THE CELL'S CLEANING FACILITIES SUMMONED TO THE SITE

ALL THIS OCCURS EARLY ON IN EMBRYONIC DEVELOPMENT



AS IN THIS MITOCHONDRION



UNTIL IT FALLS APART



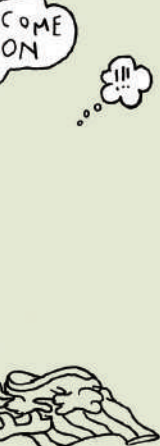
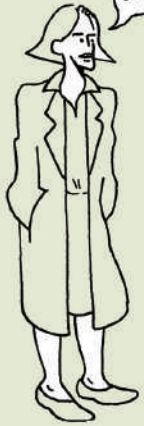
AN ILLUSTRATION: LET'S PRETEND YOU'RE THE INVISIBLE MAN

WHAT YOU'RE WEARING REPRESENTS YOUR ORGANELLES

WHICH HAPPEN TO BE ON THE OUTSIDE, HOW ODD

AND NOW DO YOUR PLAAT3!

GET RID OF YOUR ORGANELLES!



OOHHH! I REALLY LIKE YOU LIKE THIS

MY DEMONSTRATION IS PERHAPS A TAD FAR-FETCHED... BUT IT DOES SHOW HOW THE OFZ BECOMES SEE-THROUGH

VISION IS VERY USEFUL

VISION IS VITAL!

...WHICH MAKES MY HEART BEAT AND URGES ME TO APPROACH YOU WITH EAGERNESS

TO APPRECIATE THE WONDERFUL VIEWS THAT SURROUND US

TO AVOID BEING POUNCED UPON BY A WILD ANIMAL

SO THAT OUR FRIENDS CAN ENJOY THE FLOW OF 25 IMAGES PER SECOND OF THEIR FILM

BUT MOST OF ALL, TO SUCCUMB TO YOUR CHARM AND, IN MY EYES, DEVASTATING BEAUTY..

SO AS TO PERPETUATE THE SPECIES!

NOW, CAN YOU TELL ME WHY IT IS SO IMPORTANT TO SEE?

TO SPOT MOULD ON YOUR JAM

WOO-HOO

