So potato has 0.3 ish mol *not water*

We know the molarity of *not water* (sucrose is the *not water*) in the solution outside

We don’t know the molarity (of water) inside the potato

Osmotic pressure is related to molarity of water (Ms. D’s table shows molarity of *not water [sucrose]* in relation to osmotic pressure)

So we can always find the osmotic pressure in the sucrose

If we know molarity (molarity and conc are same thing)

# BUT

If we know the osmotic pressure outside potato

We can use the condition of isotonicity to find inside potato

# THIS IS THE CONDITION

When something is isotonic

The net movement is zero

So the net pressure is zero

So the pressures are equal

So the osmotic pressure in the potato is equal to that outside WHEN IT IS ISOTONIC

# SO

By finding the molarity of sucrose which is isotonic

We find isotonic by finding where there is NO WEIGHT CHANGE => NO NET MOVEMENT (of wo’uh’)

We can find the osmotic pressure of sucrose which is isotonic

Which is equal to the osmotic pressure in potato

Because it’s isotonic

It’s fun to understand things, that’s what science is all about.