**Fill in the blank: املاء الفراغ**

Word Bank

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| --- | --- | --- | --- |
| Passing  Go  Solvent  low | Allow  Concentration  Membrane  Osmosis | solute  particles  diffuse  inflow | Size  Molecules  Higher  Dissolved |

What do I mean by semipermeable membrane? That means they \_\_\_\_\_\_\_\_\_\_\_\_some things to \_\_\_\_\_\_\_\_\_\_through. But now let's make this interesting. Let's treat our water as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and let's put some \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in it. And I'm going to make them bigger, so you can see they would physically have trouble \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ through these gaps. Thinking about the membrane as only allowing certain things of certain \_\_\_\_\_\_\_\_\_\_\_\_ to pass through. So, let's throw some solute there, and I'll actually throw a little bit of solute here too. I'm going to do many more over there on the right-hand side. So, we have a higher \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of solute on the right-hand side. You can see even from the size where I drew these gaps these big \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ aren't going to be able to go through the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. They aren't going to be able to **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.

What do we think is going to happen? There's all this interference that play from these big molecules that aren't able to diffuse. So an argument can be made that these water \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, some of them will still make it from right to left, but you have a lower probability of going from right to left as you have from going to left to right. So because of this you would have a net \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of water from this area where you have a low solute concentration. Remember the solute is the thing that's \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the water. So we have a net migration of the water molecules from this solution that has a \_\_\_\_\_\_\_\_\_\_\_\_\_\_solute concentration to one that has a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ solute concentration.We call this \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

What is the other **osmosis** example discussed in the video?

ما هو مثال الآخر الذي نوقش في الفيديو؟