

## Chapter 7 Test: What to Know

1. Prokaryote & eukaryote differences/similarities
2. Cell theory – 3 principles, what it applies to
3. Location, name & function of organelles & nuclear structures – lots of questions about these!!
4. Movement across membrane
  1. Solutes and solvents – be clear
  2. Diffusion – definition, how and why it occurs
  3. Osmosis – definition, hypo-, hyper- and isotonic dynamics, be able to apply concept in hypothetical situations
  4. Facilitated diffusion – definition, structures involved
  5. Active transport – definition, structures involved
  6. Energy requirements of each 4 types of movement
5. Cell specialization/levels of organization in multicellular organisms

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