Cell Craft: <https://www.biomanbio.com/GamesandLabs/Cellgames/cellcraft.html>

Build a cell and learn about the organelles and processes that make cells work!  A great review of cell parts such as the nucleus and mitochondria, as well as chemical building blocks such as nucleic acids, amino acids and much more!

As you play the game and learn about the organelles and important components, match them to their function/definition.

\_\_\_\_\_ 1. Centrosome A. destroys viruses

\_\_\_\_\_ 2. Cytoskeleton B. makes proteins

\_\_\_\_\_ 3. Plasma membrane C. organizes the cytoskeleton

\_\_\_\_\_ 4. ATP D. protects DNA from viruses

\_\_\_\_\_ 5. Glucose E. surrounds the cells

\_\_\_\_\_ 6. Mitochondria F. gives cell its shape

\_\_\_\_\_ 7. Nucleus G. fixes holes in the nucleus

\_\_\_\_\_ 8. Nucleic acids H. adenosine tri-phosphate, energy molecule

\_\_\_\_\_ 9. RNA I. vesicles that absorb free radicles

\_\_\_\_\_10. Amino acids J. simple sugar that can be used to make ATP

\_\_\_\_\_11. Ribosomes K. cell’s power plant, 1 glucose = 38 ATP

\_\_\_\_\_12. Viruses L. protein filled “bubble”

\_\_\_\_\_13. Slicer enzymes M. cell’s command center, stores DNA

\_\_\_\_\_14. Fatty acids N. the stretchy outside of a cell, regulates in/out

\_\_\_\_\_15. Membrane O. makes complex proteins, factories

\_\_\_\_\_16. Endoplasmic reticulum P. has a protein coat and viral DNA/RNA

\_\_\_\_\_17. Vesicle Q. blueprint for proteins

\_\_\_\_\_18. Free radicals R. template for RNA

\_\_\_\_\_19. DNA repair enzymes S. sorts and processes vesicles

\_\_\_\_\_20. Peroxisomes T. makes up membranes

\_\_\_\_\_21. Golgi body U. for photosynthesis, in plants

\_\_\_\_\_22. Chloroplasts V. Where the membrane is produced

\_\_\_\_\_23. Defensin W. damages the cell, produced along with ATP