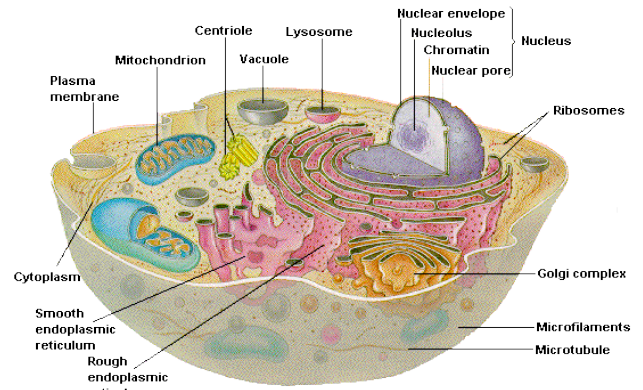


## **“Got a Moment” (#6)**

### **The Complex Human Cell**



*Got a Moment? – Let’s talk about the complex cells that make up the human body!*

*Back in the day when Charles Darwin lived, scientists didn’t know much about the cells of our body. Since they couldn’t see into them it was assumed that this foundational element of life, the cell, was really simple, just like a blob of plasma. Darwin thought that if life was really simple in its foundational form, maybe it could have evolved by chance over a long period of time.*

*Well, today, because of powerful microscopes that have allowed scientists to look inside the cell and study it, we know that the human cell is not simple at all! As a matter of fact it is extremely complex and like a miniature city, with manufacturing plants, communication systems, traffic control systems, packaging plants, power plants, transportation systems, etc. The more we learn about the human cell the more we understand that it is unbelievably complex with lots of specially designed parts and features.*

*Do you know how many cells are in your body? It seems that no one knows for sure because you can read varied numbers from different sources, ranging from about 50 trillion to 100 trillion. The most used number to identify how many cells are in our bodies seems to be 100 trillion. To understand how great a number 100 trillion really is let me give you an illustration. If you could sell every one of your 100 trillion cells for \$1 and then you decided to give every person living on earth (about 7 billion) an equal amount of your 100 trillion dollars you gained, do you know how much money you could give each of the 7 billion people on the earth? You would have enough to give every person on the earth over \$14,000 dollars. 100 trillion is a lot of cells which means that cells must be very, very small. How can they be so small and yet so complex? Someone Who can see & understand the vastness of the universe and the tiniest of things must have designed them to have such complex and efficient function!*

*Here’s just a few examples of what organic machines are in the cell and what is going on inside of there.*

*Inside the nucleus of each cell is the DNA genetic information code. There is enough information inside each cell to fill hundreds and thousands of books. A little machine unfolds parts of the DNA string of information and makes a*

*copy of it. The DNA includes little start and stop buttons to dictate what part of the information code is copied for the production of each type of protein. The copy of the DNA is called a “RNA messenger” and is released out of the nucleus into the outer part of the cell where another machine called a “Ribosome” connects to it and translates the copied code into a language that then causes various types of “Amino Acids” to be produced and folded together (in another machine) into a “Protein”. Proteins are then packaged in sacks called “Vesicles” which include on them the information about what type of proteins are inside the sack and where they need to go. Tiny motor proteins called “Kinesin” which have two legs and two arms pick up the sack of proteins and transport them to the proper place by walking on highways inside the cells called microtubules. This process is full of codes, signals and information! It is very complicated and sophisticated and it is happening inside your body trillions of times a second!*

*Wow, you are a complicated creature! Life is not simple, it is complex, it is wonderful, it is awesome! Do you think this could all develop by accident over time without a designer? I don’t think so! Praise be to God Who has designed our cells to produce the building blocks of life!*

*Another time will look a bit deeper, but bye for now!*

*For video only (no audio) – For further information see DVD  
“The Wonder of the Cell”*

Discussion Questions:

- (1) Why would very simple cells line up better with Darwinian Evolution and why do the complex cells we have line up better with the Bible account of Creation?
- (2) What does it make you think when you consider all that is happening inside your cells?
- (3) What does Psalm 139:13-17 tell you that lines up with the information we have seen about our cells and that shows you how special you are to God?

Pray Together as a Family! (Thank God for how He has made you in His own image & likeness!)