**Hierarchy of Organization Activity**

Part I: Terms-Define each of these in your own words: (some of these are already in your notes)-15 mins

Species, molecule, cell, atom, organelle, organ system, organism, tissue, organ, macromolecule

Part II: Rich Definition of ONE Term-5 mins

Your table will be given a piece of paper with one of the above terms on it. As a table, create a Frayer model for the word using the example below:

|  |  |
| --- | --- |
| Person (This is my assigned term) | An animal that is human (this is the definition in my own words) |
| (draw a picture here that represents the word) | LeBron James (This is an example of my term) |

Part III: Gallery Walk-5 mins

Leave your Frayer Model in the middle of the table.

You will have 5 minutes to walk around with your definitions and check them against the other groups’ Frayer models to make sure that you have good definitions.

Part IV: Put them in Order!-3 mins

Back at your seat, list your terms in order from smallest to largest. Feel free to discuss this with the others at your table to make sure that your order is correct.

Once you have everything in order, CIRCLE the term that marks the point on your list where life begins. In other words, circle the term that represents the first living thing. Everything on your list after this should also be living.

Answer: What made you select this as your starting point for “living?”

Part V: Conclusion-5 mins

Answer the following on your activity and turn it in:

* How are organisms unified? What things are common to all, besides the fact that they all have the same characteristics?

* What determines an organism’s complexity?