

## Dark Matter's Possible Role in the Evolution of Matter

I want to show a possible timeline from the evolution of Dark Matter into the Visible Matter we interact with today. This theory tries to explain dark matter as a simple particle that has not yet become complex enough to interact with visible matter in any known way other than through gravity. Please keep an open mind and picture everything and if you see a flaw and can prove it please email me at [contact.stephenwright@gmail.com](mailto:contact.stephenwright@gmail.com).

In the beginning, I don't believe visible matter was present in the universe. There is an important trait of the distribution of dark versus visible matter today that I believe gives us a clue as to what Dark Matter could be. Dark Matter is found throughout the universe, while visible matter is only found in galaxies. There is also a large concentration of Dark Matter around galaxies. If Visible Matter and Dark Matter where both formed in the beginning of the universe, they would be found together evenly because they interact only through gravity. One way to explain this is to imagine the early universe filled with only Dark Matter. It would only be able to interact through gravity, and it would be too simple to exert any of the other 4 known forces. It has not become complex enough to have a proton, electron, or neutron. It would only be able to pull together using gravity. As this Dark Matter begins to clump together, it begins to compress, heat up, and rotate like when a star or planet begins. In the center of these giant masses of Dark Matter, the Dark Matter would begin to make contact and annihilate. When these particles annihilate and turn into energy then back into different particles, more then one may find an interaction that work and the particles stick together and become heavier, moving further away from the center. As this process continues, the more complex particles move outward and interact more until they are complex enough to reflect light. This could be what galaxies are. Giant factories with Dark Matter going in and Visible Matter coming out.

This is more thought than theory, but there are some supporting factors, since I am not a physicist, I can't go too far. When the James Webb Telescope goes up and looks further back in time, there may be a way to see if there is a higher amount of Dark Matter to Visible Matter in earlier galaxies. If you think you can help guide me or believe I have something please contact me. Thank you for reading.