

## **Just Thinking Apologetics**

One of the wonders of our earth is its placement within the galaxy. Our Milky Way galaxy is highly unusual. The Milky Way is a spiral B type galaxy. This type of galaxy makes up only 5% of all the known galaxies in the universe. The observable universe has at least 100 billion galaxies, with each galaxy composed of between 10 million to 1 trillion stars.

Based on luminosity, our planet is even more special when you consider that 98% of all observable galaxies cannot support life. How galaxies interact with each other will affect whether or not life can develop on a planet. Our galaxy will not encounter our nearest neighbor (Andromeda galaxy) for another 3 billion years. Another factor for life development is a galaxy's location in a cluster of galaxies. We (the Milky Way) belong to a cluster of some 35 galaxies known as the Local group. Once again, our location in the Local Group is ideal. One of the most important factors is our solar system's placement in the Milky Way (Galactic Habitable Zone). If we are too close to the center or too far away, life cannot exist.

Here are just 4 special conditions of a galaxy that are absolutely necessary in order for life to exist on earth. Sure, someone must win the lottery, but the chances of winning the correct galaxy lottery by an accident are impossible. If life is not the result of chance, then you are here for a reason. Do you know what your reason for existence is?