



# **THE MYSTERIOUS REACTION**

**Dilip Puri**

# *Prologue*

This story is written as a part of “Science Fiction(HM304)” course assignment. In this story I have tried to involve the theory of Entropy and its effect on the process of life and death.

*“Life = Death”*

*If you can feel this equation, you can solve any mystery of life..*

# *Childhood*

There was a boy who lived outside the city in an industrial area. His name was DM. His father was an ambitious and positive person who was working in the factory. He was struggling to meet ends. His mother was a housewife and she did love so much her son. She is an old fashioned and old traditions woman.

He and his mother were looked after his father in his old age, this age was difficult to work any more so DM had joined that factory due to bad condition of his family. He had not completed his secondary education yet.

He grew up in the industrial area. He used to go to factory with his father in the day time where his father was working. He used to observe all the

processes which were going on in the factory.

In the factory he observed how in the big containers reactions took place, how materials were formed on various temperature and under the pressure. How heat increases the temperature of environment of the factory.

His elementary education was done in a local school. He had interest in science and discovery. He did his middle education from the city. He joined science honours for higher education. He had left school in the mid way.

## *The old man*

There was a small research laboratory in the factory. In that lab there was an old computer surrounded by lots of files and books of science and technology.

One old man was working in the lab, every employer of the factory had a great respect for him.

DM observed him in Kurta-Pajama, food box in hand, water bottle, wearing leather shoes with his black colour cycle everyday. He was a professor of science college before joining the factory. He was the happiest person among all the factory workers. DM was a big fan of that old man, he often greeted old man while he was going back to his home.

One day when DM reached work there was a great silence in the factory, factory workers assembled

around the lab, he found that old man was missing. Something went wrong, he was very frightened. People were whispering about the old man that he was so punctual and polite. DM was thinking why he didn't come today? What happened to him? Different kinds of thoughts came to his mind.

In the afternoon, an ambulance was there in front of the lab, two man in white coat were entering the lab. He was relaxed when he saw the old man on the wheelchair. He went running to lab. He saw that the manager was there. He was advising the old man that he had to take rest from work. But the old man was reluctant to stop working and that was his final decision.

In the evening the manager called DM and an another secretary and said that, the old man decided to stay here in lab so go to his home and shift his all stuff in the laboratory. As instructed DM and the other secretary went to old man's home. It was in very bad condition. They were stunned to see that how could one can live in such places. It clearly says that the old man was very much into his work and

that is why all the things in his home was in poor condition.

## *The law of the nature*

After some day the old man got well. He often went for morning walks. One day DM asked, “Good morning! What had happened to you that day?” when he was passing DM. “Nothing great, that’s the law of nature.”, old man replied. DM did not understand. “What is the law of nature?”, DM asked. “Defined to that is very difficult but nature tends to equilibrium.” he replied and went away.

In the evening DM went to lab and asked, “What is the equilibrium ?” The master removed dust from the cover of book and gave it to him to read that. You will get all the concepts. The title of that book was “The fundamental laws of nature”, that was a very old and famous book. We can not bring changes in these laws.



He was reading that book in the night he came across many concepts which were never known by most the people. Next day, “Does all the changes in my life result of these laws?”, he asked to old man. “Every law has its own advantages and disadvantages like the age of a common man much less than a tree but tree can not move.”, man replied.

He read about DNA, human body and biology that, ‘Telomeres are sort of caps at the end of DNA, and because you lose a bit of the end every time you replicate DNA due to how the mechanism works. It’s the free radicals that get you. Photosynthesis creates no free radicals, which is why plants and tree can live a lot longer than people. But it also creates less than half the energy per input than metabolism, which is why plants and trees can’t move. They never evolved muscles, because they couldn’t make the energy to power them.’

“But master then what is the reason of child death?” said DM. “Yes! you are right but there are several other reasons which causes the death and also environment has huge impact in this process. As Darwin

says, you can not adopt different environment suddenly. If you jump into fire then you can not survive in that great temperature and heat because your body environment cannot adapt to these sudden changes.”, master trying to convince DM.

“But If I fix myself at a location like a tree then is it possible to increase the life time?”, DM asked. “Go through the book you will find all the reasons.”, old man told DM.

## *The reaction*

He went to home and kept thinking about the second law of thermodynamics and entropy of the universe increasing constantly? Is it possible to control the entropy? Next day he was looking for a book which will explore how life and death takes place and what is the role of entropy in this whole process?

He was working on that reaction, collected all the material which was mentioned in the process and was following the process. But he was getting failure each time. He was turning the pages of that book then came to know there was another reaction by following that can be done the same.

This time he was going for another reaction, follows the process but again he got failure he was thinking something went wrong. He went to the lab. “Why

am I getting failure every time?”, asked DM. “This is the law of nature”, old man told DM and went for evening walks. DM was positive, he had to know all the factors of the reaction and the process. He was challenging the law of nature.

DM tried for that reaction. He went through many science books. Many concepts which were responsible for that reaction. In the night he was reading one of the chemistry book and had fallen into sleep. The old man was describing the whole reaction, and was telling him what was the problem and why he was failing each time.

Suddenly he woke up. He was running towards factory and reached to the lab. Now, he knew what was the mistake. He started work on that reaction suddenly there was a huge blast and everything finished.

He remembered the old man's words, “you cannot change the law of nature!”