



Four Elements for Discovery

1. Prepared mind:

- a. Goal is established – based on general hypothesis.
- b. Mindset is established for accomplishing goal.

2. Stuck:

- a. Expected outcome is not achieved, and scientific experiment or outcome is not as expected or per hypothesis or theorized.
- b. Address internal or emotional questioning, while creating internal motivation to move beyond *stuck* place.

3. Repositioning – step back – widen perspective:

- a. Reframe perspective in order to think outside the box, broaden imagination, creative insight – active intelligence.
- b. Let go of attachment to the outcome.

4. Discovery:

- a. Breakthrough occurs through broadened perspective-while allowing for the mystery of the answer to be presented at the appropriate time.

From research by Physicist and novelist Alan Lightman regarding (in his estimation) to 20 most significant discoveries in the last 100 years worldwide. He is the author of *Einstein's Dreams*, *A Sense of the Mysterious*, and his new work, *The Discoveries*, *The Great Breakthroughs in 20th-Century*.

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