THE NANOENGINEERING

What is it? How is it? Why is it?

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- 1. The Introduction
- 2. The Features of materials
- 3. The Value
- 4. The Results
- 5. The Sources

CONTENTS



 Nanoengineering is an interdisciplinary science that builds biochemical structures smaller than bacterium, which function like microscopic factories.



THE INTRODUCTION



First, nanomaterials have a relatively larger surface area when compared to the same mass of material produced in a larger form.

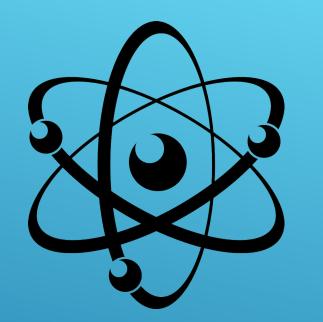
 Second, quantum effects can begin to dominate the behavior of matter at the nanoscale – particularly at the lower end – affecting the optical, electrical and magnetic behavior of materials.

THE FEATURES OF MATERIALS



The implications of being able to manipulate the "growth" of materials from the atomic level up are enormous. Nanoengineering could potentially lead to a plethora of revolutionary materials and products that would not only benefit areas like aerospace, medicine and technology, but everyday life.

THE VALUE





One of the most exciting aspects of nanoengineering is that it is exceptionally cost-effective, environmentally friendly (raw product is abundant), non-polluting, and requires little energy.

THE VALUE



It is widely believed nanotechnology will have a greater impact on the world than the Industrial Revolution and is predicted to be a multi-billion dollar business by 2021.

THE RESULTS



https://www.nanowerk.com/nanoengineering.php

https://www.wisegeek.com/what-is-nanoengineering.htm

THE SOURCES



THANK YOU FOR YOUR ATTENTION

