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a concise summary of the material of Griffith's chapters 1-5 (about 250 pages), written by someone who is learning the material himself at the same time. Somewhat to my surprise, I find that my coverage actually tends to be closer to Yariv's book, [6]. I still think Griffiths is more readable for an engineer, though Yariv has some items

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## Materials science - Wikipedia

Everything is made of something. Materials scientists investigate how materials perform and why they sometimes fail. By

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understanding the structure of matter, from atomic scale to millimeter scale, they invent new ways to combine chemical elements into materials with unprecedented functional properties. Other branches of engineering rely heavily on materials scientists and engineers for the advanced materials used to design and manufacture products such as safer cars with better gas mileage, ...

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Van Vlack, Elements of Materials Science and Engineering... Important elements of modern materials science are a product of the space race: the understanding and engineering of the metallic alloys, and silica and carbon materials, used in the construction of space vehicles enabling the exploration of space.

Elements Of Materials Science And Engineering By Van Vlack Semiconductor processing engineers apply materials science and engineering principles to develop new microelectronic materials for computing, sensing, and related applications. Work Environment for Materials Engineers [About this section] Materials engineers hold about 27,500 jobs. The largest employers of materials engineers are as follows:

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