

Reading and Notes on Chapter 1 Section 3

technology - is how people change the world around them to meet their needs and solve practical problems.

engineer - a person who is trained to use both technological and scientific knowledge to solve practical problems.

Questions page 22.

- 1a Technology is how people change the world around them to meet their needs or to solve practical problems.
- 1b A toothbrush meets the need of cleaning teeth.
- 1c To improve the way people live. A toothbrush achieves this by providing an effective method of cleaning teeth.
- 2a Science is the study of the natural world to understand how it functions. Technology changes the natural world to meet human needs.
- 2b Technology, because it has been constructed to meet the need of people who lost a leg.
- 2c Scientists discovered the properties of the materials in the leg prosthesis; engineers constructed it.

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3a. Positive: farmers can produce more crops and feed more people

Negative: pesticides may harm people and animals.

3b. --- because technology generally has negative as well as positive consequences. Pesticides have improved people's lives but also have caused environmental damage.