



Academic Activity
Chapter 11

Cochlear Implants:
An Engineered Solution

The development of the cochlear implant is a mix of electrical engineering, medical procedure, and neurological research. Go online and document the development of the cochlear implant. Use the information you find to propose a new sensory loss implant and discuss the kinds of engineers that would develop the new implant. Use the following prompts to guide your report.

1. What is a cochlear implant and how does it work?

2. Who benefits from cochlear implants?

3. What type of engineers were involved in the development of the cochlear implant in the US?

4. Who were the key developers of the cochlear implant in the US?



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5. How did neurological research improve the cochlear implant?

6. Describe an implant that could be developed for another sensory loss (smell, vision, taste, or feeling).

7. What type(s) of engineers would need to work with doctors and neuroscientists to develop the new implant?
