

The Cochlear Nucleus 5 System has both external and internal parts:

- The **sound processor** **A** with **coil** **B** is worn behind the ear.
- The **cochlear implant** **C** is placed just under the skin, behind the ear.

- ① The sound processor captures sounds and converts them into digital code.
- ② The sound processor transmits the digitally coded sound through the coil to the implant just under the skin.
- ③ The implant converts the digitally coded sound to electrical impulses and sends them along the electrode array, which is positioned in the cochlea.
- ④ The implant's electrodes stimulate the cochlea's hearing nerve which sends the impulses to the brain where they are interpreted as sound.
- ⑤ You manage your hearing via the remote assistant or directly from the sound processor.

