

ORGAN of Hearing and Balance

The OUTER Ear

outer ear

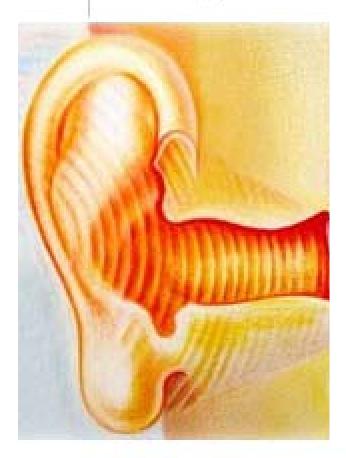


Diagram taken from www.siemens-hearing.com

The MIDDLE Ear



Diagram taken from www.siemens-hearing.com

The INNER Ear



Diagram taken from www.siemens-hearing.com

Speech & Balance Closely Connected to Hearing



Types of Hearing Loss and Causes





Diagram taken from www.oticon.com

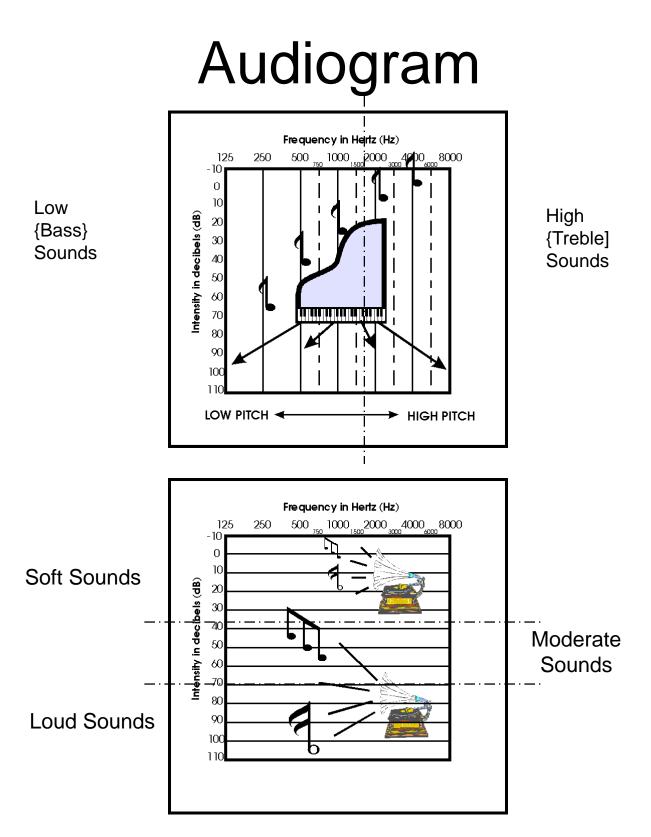
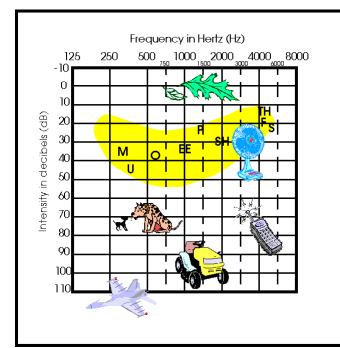


Diagram taken from www.pacificaudiology.com

Audiogram



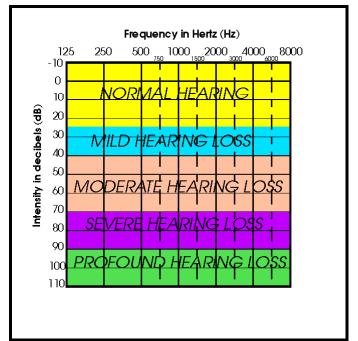
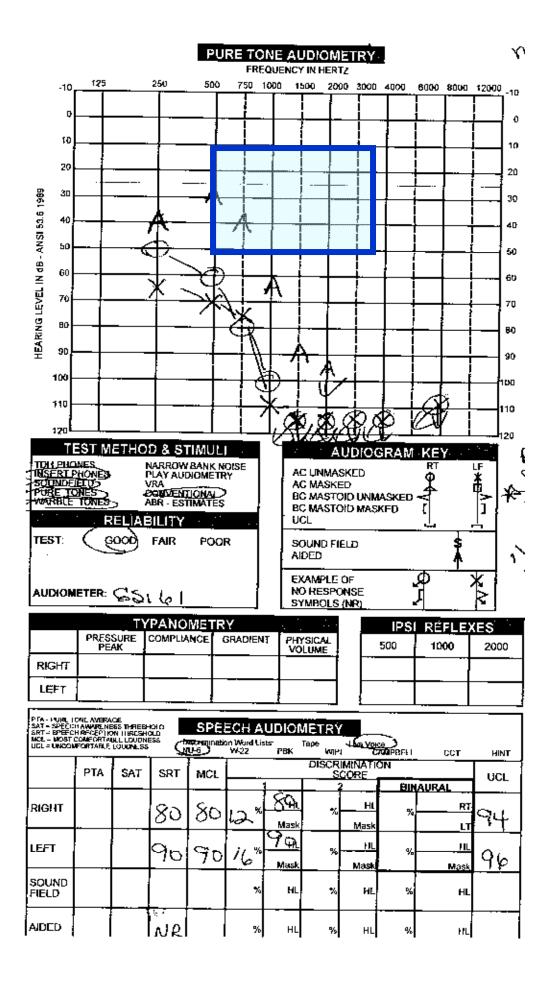


Diagram taken from www.pacificaudiology.com



Technology

Infrared System



TV Induction Loop



Closed Captioning Symbol





TTY Telephones



Vibrating Alarm Clock

Technology Hearing Aides

In-The-Ear model

Completely in the Canal



CIC



Mini-Canal

ITC





ITC



Full Shell in

the Canal

ITE

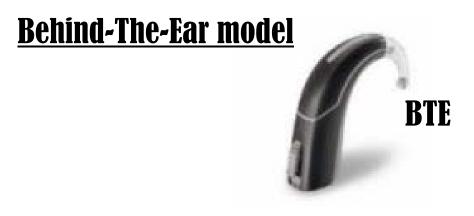


Diagram taken from www.phonak.com

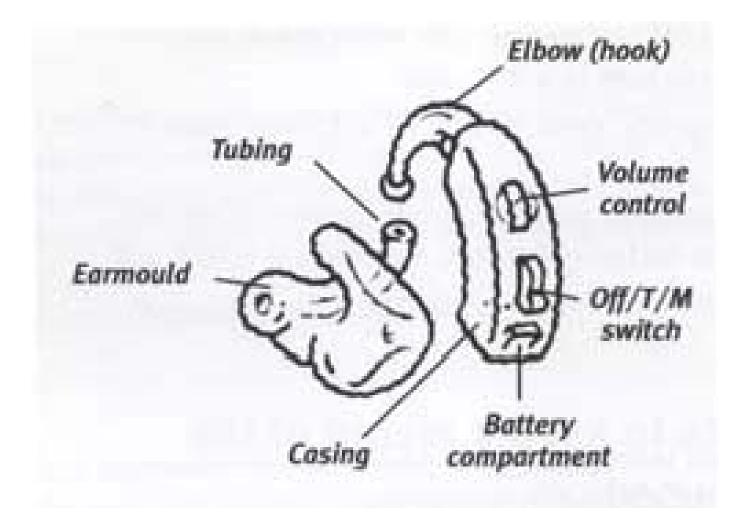


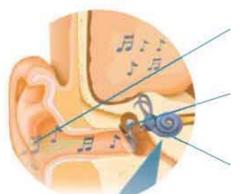
Diagram taken from www.deafnessatbirth.org.uk

Technology Blackberry & FM System





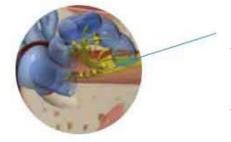
How the normal ear hears sound



Outer Ear

Middle Ear

Inner Ear



Hearing Nerve

Thousands of little nerve pathways transmit sound information from the hair cells up to the hearing center of the brain.

Diagram taken from www.bionicear.com

Hearing with a Cochlear Implant

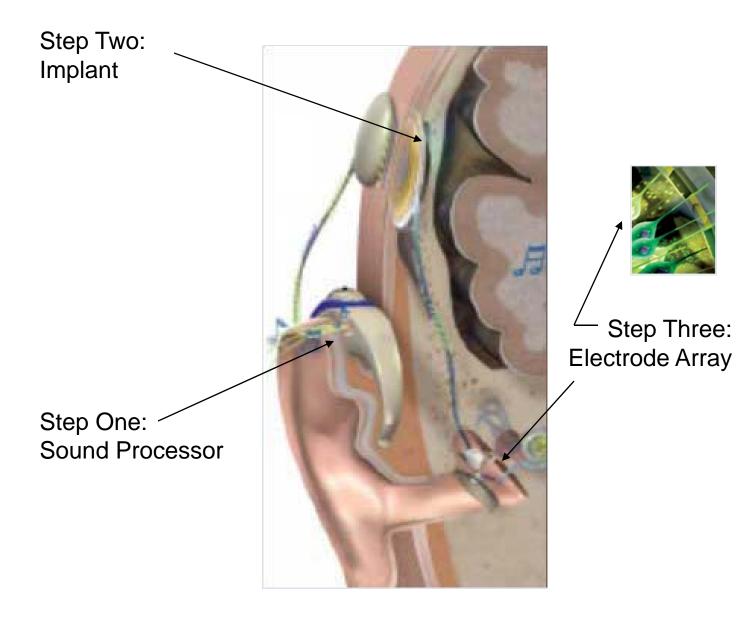


Diagram taken from www.bionicear.com

Websites Utilized for this presentation

www.abilityhub.com

www.bionicear.com

www.harriscomm.com

www.hearingcenteronline.com

www.hearinglossweb.com

www.oticon.com

www.phonak.com

www.shhh.org

www.siemens-hearing.com

www.unitedtty.com