

# Speech perception

The [supramarginal gyrus](#) is probably involved with [speech](#) perception and processing, and lesions in it may cause [receptive aphasia](#).

Speech perception is the process by which the [sounds](#) of [language](#) are heard, interpreted and understood. The study of speech perception is closely linked to the fields of phonology and phonetics in linguistics and cognitive psychology and perception in psychology. Research in speech perception seeks to understand how human listeners recognize speech sounds and use this information to understand spoken language. Speech perception research has applications in building computer systems that can recognize speech, in improving speech recognition for hearing- and language-impaired listeners, and in foreign-language teaching.

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