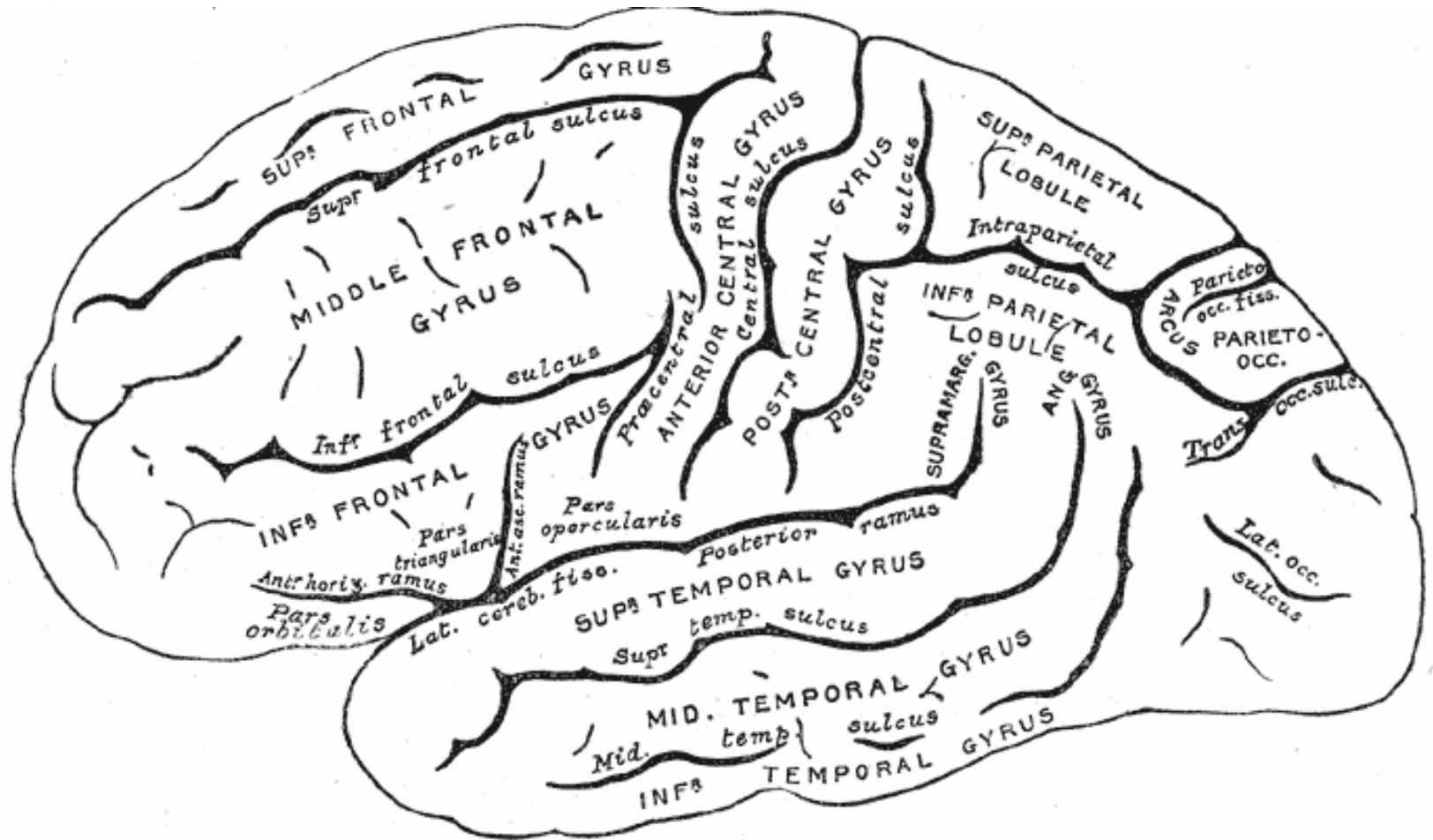
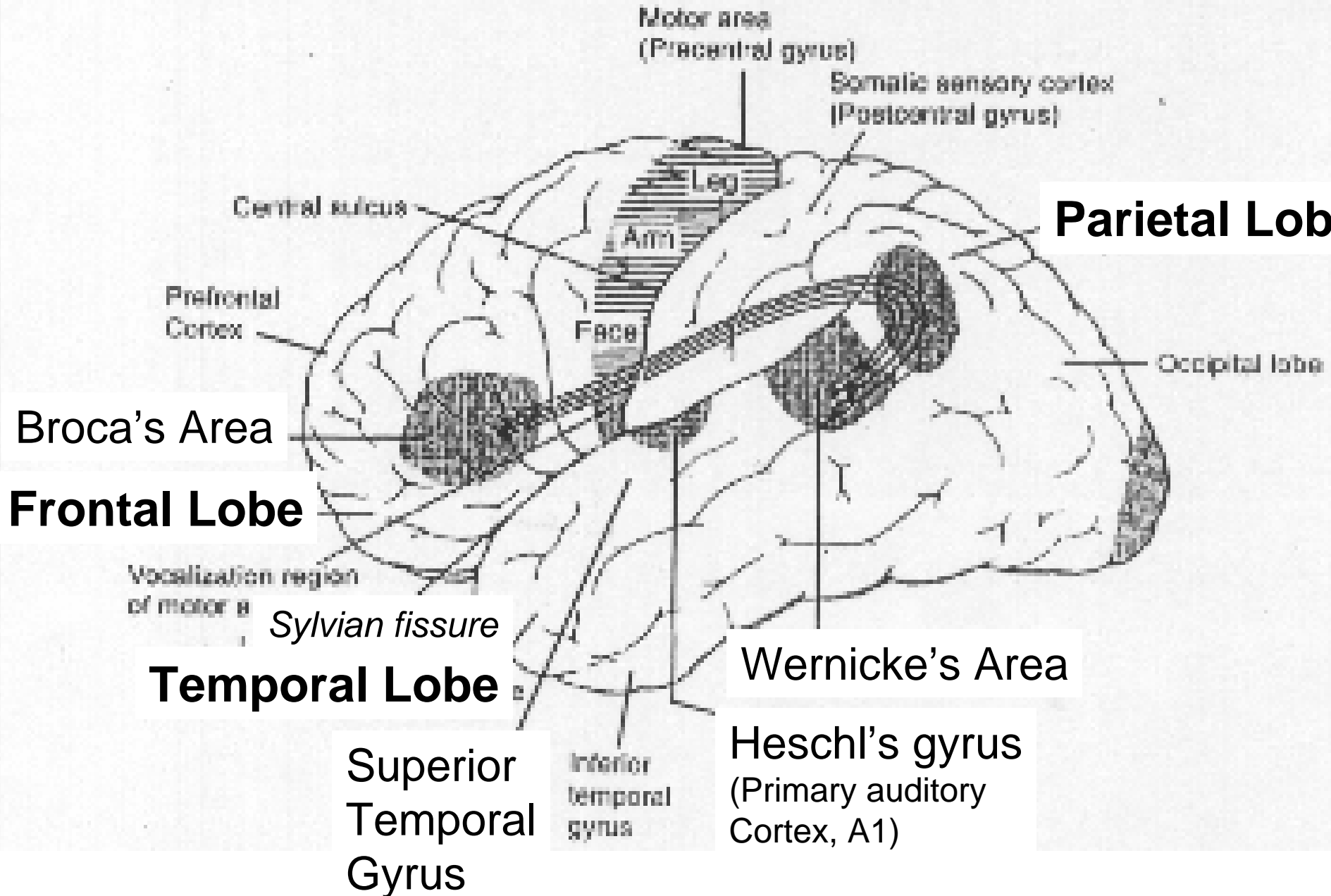


Cortical gyri and sulci



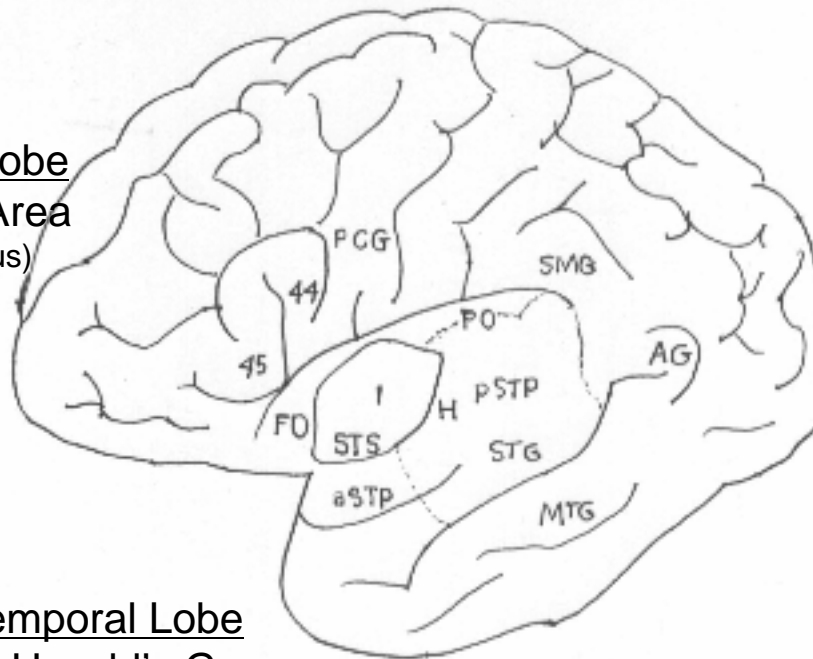
From Gray's Anatomy
(the book!)

Peri-sylvian cortical areas are associated with language



Cortical Areas Involved in Phonemic Processing

Inferior Frontal Lobe
44, 45: Broca's Area
(on inferior frontal gyrus)
PCG: precentral gyrus

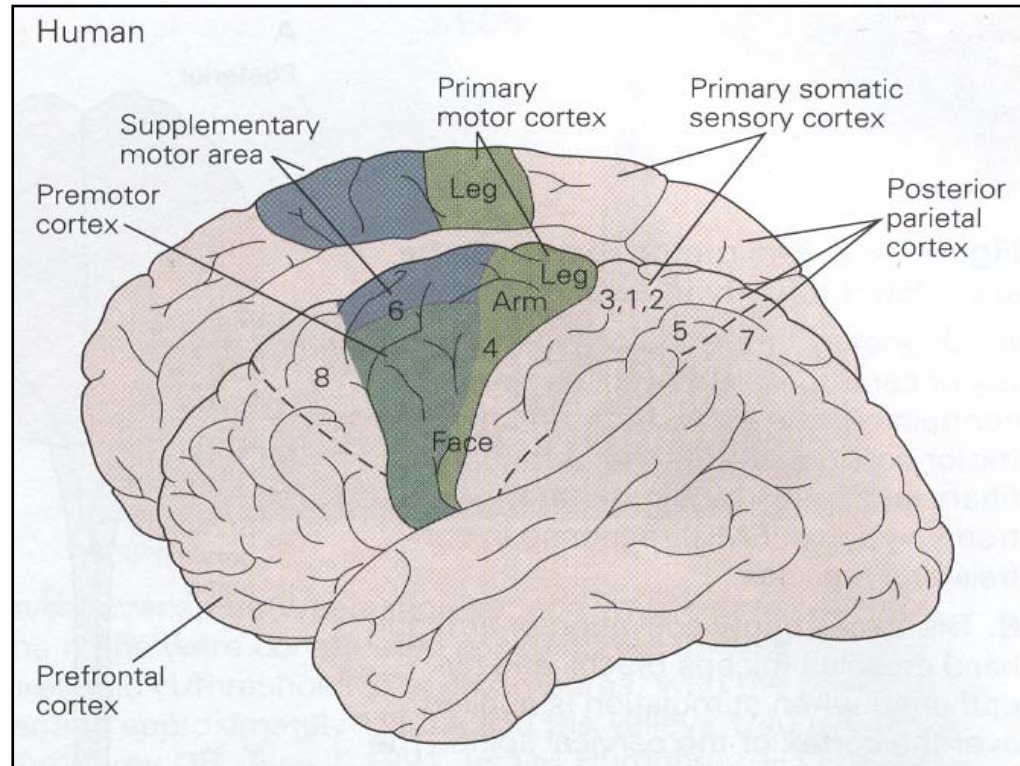


Inferior Parietal Lobe
SMG: supramarginal gyrus
AG: angular gyrus

Temporal Lobe
H: Heschl's Gyrus
aSTP: anterior superior temporal plane
pSTP: posterior superior temporal plane
STG: superior temporal gyrus
MTG: middle temporal gyrus
STS: superior temporal sulcus
I: Insula

(from Caplan and Gould, 2003)

Premotor Cortical Areas



Somatotopic organization of the medial and lateral motor cortex in the monkey, showing the arm and leg representations. (ArSi, arcuate sulcus, inferior limb; ArSs=arcuate sulcus, superior limb; CS=central sulcus; M1 =primary motor cortex; PMd=dorsal premotor area; PMv=ventral premotor area; PS=precentral sulcus; SGM=superior frontal gyrus, medial wall; SMA=supplementary motor area; pre-SMA = presupplementary motor area; SPcS=superior precentral sulcus.) (From Dum and Strick 1996.)