

OCCIPITAL LOBE: PRIMARY VISUAL CORTEX

[Anatomical Illustration: Lateral & Medial View]

FUNCTIONAL AREAS

- **V1 (Brodmann Area 17)** Primary visual cortex; receives direct input from the LGN.
 - **V2-V5 (Extrastriate Cortex)** Secondary processing: color, motion, and form recognition.
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KEY STRUCTURES

- **Calcarine Sulcus** Deep fissure on the medial surface containing the V1.
 - **Cuneus / Lingual Gyrus** Upper and lower banks processing superior/inferior visual fields.
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VISUAL PATHWAY INTEGRATION

- **Dorsal Stream:** The "Where" pathway moving toward the parietal lobe (spatial orientation).
 - **Ventral Stream:** The "What" pathway moving toward the temporal lobe (object identification).
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