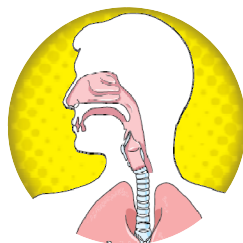


Articulatory Phonetics

1: Consonants and Manner

Two Dimensions of Categorical Analysis: Place and Manner

Articulation



Place



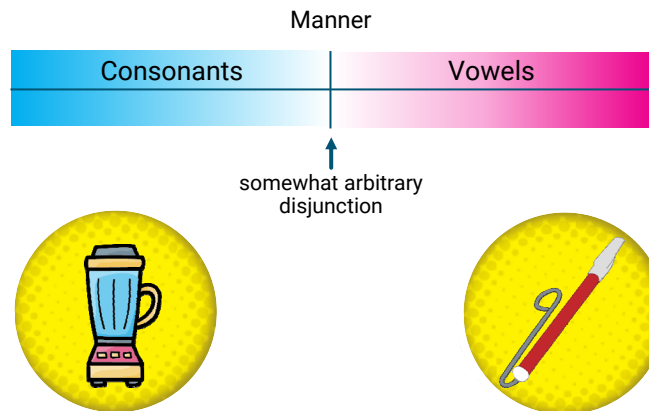
Manner



Body: William & Wilkins (1998); Blender: wenchiauwang/iStock/Thinkstock; Slide whistle: University of Waterloo; Mouth: Vector Story/iStock/Thinkstock; Hand: Noedelhap/iStock/Thinkstock

Consonants: Manner of Articulation

Articulation



Blender: wenchlawang/iStock/Thinkstock; Slide whistle: University of Waterloo; Hand: Noedelhap/iStock/Thinkstock

Consonants: Manner of Articulation

Consonants

Manner			
Obstruents			Sonorants
Stops	Affricates	Fricatives	
[t]	[ts]	[s]	Voiceless
[d]	[dz]	[z]	

Voicing
(second manner of articulation)

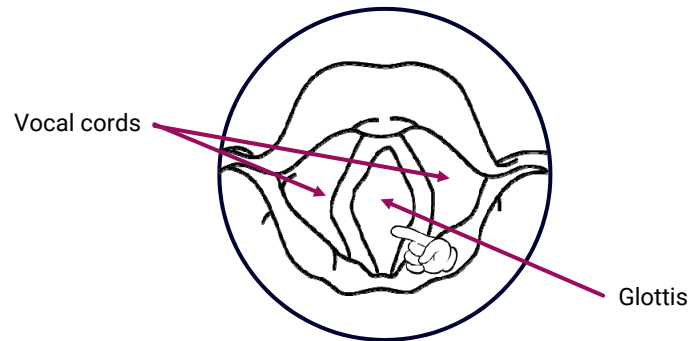
Hand: Noedelhap/iStock/Thinkstock

Consonants: Manner of Articulation

Consonants

voicing = phonation

Manner



Glottis: University of Waterloo; Hand: Noedelhap/iStock/Thinkstock

Consonants: Manner of Articulation

Consonants

Manner

Phonation

Obstruents			Sonorants	
Stops	Affricates	Fricatives	Nasals	Approximants
[t]	[ts]	[s]	Voiceless	
[d]	[dz]	[z]	Voiced	
			[n]	[l]