# Cheatography

### NEUROLOGY AND SLP Cheat Sheet by aoife via cheatography.com/165126/cs/34581/

What are SLPs interested in?		Nervous system (cont)		natomy and F	Function	Anatomy and Function (cont)	
where is the damage?	- anatomy	Peripheral nervous system (PNS) - Nerves outside of the	Br	rain	> Grey matter (nerve cell bodies)	OCCIPITAL	<ul> <li>&gt; Body orient- ation</li> <li>&gt; Processing of</li> </ul>
What is the function of the- Areas important for speech and language proces- sing, swallowing area?	- Areas important for speech and	brain & spinal cord • Connects CNS to			<ul> <li>&gt; Wrinkly appearance</li> <li>&gt; Bumps – gyri</li> <li>&gt; Grooves –</li> </ul>	LOBE – Function	visual inform- ation e.g., in reading, recogn- ising faces/ objects
	Contra one side of the brain lateral essentially controls the	ne					
what has caused the brain	- Sudden incident (potential to improve) or progressive disease (symptoms getting	innerv opposite side of the ation body	Di ler	ivided ngthways	<ul> <li>left &amp; right</li> <li>Attention</li> </ul>	LANGUAGE AREAS IN THE BRAIN	≻ Left hemisphere
damage? p d		BROCA'S AREA & WERNICKE'S AREA	he	emisp- eres			➢ Frontal lobe (and Broca's area) vital for language and speech production
What are	worse over time) - What are the	Paul Broca patients who lost the ability to	FF LC Fu	RONTAL OBE – unction			
the signs and charac- language/ teristics of	Speak Most had lesions in posterior part of left frontal lobe			➢ Language production		<ul> <li>&gt; Temporal lobe</li> </ul>	
swallowing symptoms?	wallowing Severity ymptoms?	in the posterior part of the frontal lobe of left hemisphere	tal		➢ Voluntary movement		(and Wernicke's area) vital for language
- Different methods for the assessment and investigation of neurologically-based commun- ication disorders		region for expressive language WERNICKE'S AREA Karl Wernicke patients with fluent speech but impaired comprehension	)		➢ Behaviour and Personality	Grev is the su	comprehension
					Planning of movement	cortex Children with s	soft non wrinkly
Nervous system		Most had lesions in the superior part of the left temporal lobe			Reasoning and problem aphying	brains will have intellectual issues	
collection of nerve cells	that transmit signals between different parts of	in the superior part of the temporal lobe of left hemisphere region for receptive language	re TE	EMPORAL OBE –	<ul> <li>Hearing e.g.,</li> <li>words, laughing,</li> </ul>	common causes of acquired communication disorders Sudden incidences are; > Stroke > Traumatic Brain Injury (TBI)	
(Dillions) the yo like	you to do things like walking,		Fu	unction	<ul> <li>&gt; Language</li> <li>comprehension</li> </ul>		
Structurally	speaking, swallowing Central nervous				> Interpret other people's	Progressive diseases are; ≫ Alzheimer's disease ≫ Parkinson's disease	
– NS has TWO components	system (CNS) - Brain (incl. cerebellum & brain stem → image) • Spinal Cord		P/ LC Fu	ARIETAL OBE – unction	<ul> <li>Processing of sensory inform- ation e.g., touch, pressure, pain, temperature, taste, position</li> </ul>	>> Multiple Scl	erosis (MS)

By aoife cheatography.com/aoife/ Not published yet. Last updated 11th October, 2022. Page 1 of 3.

Sponsored by CrosswordCheats.com Learn to solve cryptic crosswords! http://crosswordcheats.com

# Cheatography

## NEUROLOGY AND SLP Cheat Sheet by aoife via cheatography.com/165126/cs/34581/

Nervous system requires a high		Brain lesions (cont)		Brain lesions (cont)		Brain lesions (cont)	
<ul> <li>blood flow</li> <li>&gt; Brain made up of cells (nerve cells)</li> <li>&gt; They are the key players BUT to function properly;</li> <li>Nerve cells depend on adequate supply of oxygen and nutrients (e.g., glucose)</li> <li>through a dense network of blood vessels</li> </ul>			Blood flow is suddenly interr- upted to an area of brain (↓ oxygen & ↓ glucose) → Nerve cells begin to die Vision problems		Damage is typically widespread or diffuse to an area or areas within the brain	Swallowing disorders Speech and language problems	
		Symptoms and effects depend on the lesion				Progressive diseases	
						ALZHEI-	Most common type
				TBI - CLOSED HEAD INJURY	Results when an outside force impacts the head BUT the skull is not broken, fractured, or	DISEASE	adults
						Dementia	progressive deteri- oration in cognitive functions (e.g., thinking, commun- ication)
Brain lesio	ns	site			penetrated		Significant loss of
Stroke	Rapid loss of brain function due to an injury to blood vessels in the brain		Change of behaviour	sha bra bor in b tea	shaking of the brain inside the bony skull results in bruising and		brain volume (nerve cell death)
			Sensory deficits				Incidence rising
Risk Over factors - Phys Heav Use o High - Cig: - Higl Diabe	Overweight -		memory loss		tearing of brain		with ageing
	Physical inactivity - Heavy drinking - Use of illegal drugs - High blood pressure - Cigarette smoking - High cholesterol - Diabetes		problems		tissue and blood vessels	Clients with Alzhei- mer's	population Inappropriate social behaviour
		Paraly- sis/hemip- legia	complete paralysis of half of the body		Damage is typically widespread or diffuse to an area or areas within the brain Effects largely dependent upon location and extent of the brain injury Change of		
		hemipa- resis	weakness of one entire side of the			Disease	Poor memory
Blood	A clot (Infarct/ Ischemic stroke) - 80%		body				Problems
supply disturbed due to		If the stroke side of the b	occurs in the left rain, the right side of I be affected, and	TBI – Symptoms			performing routine tasks
	Bleeding (Haemo- rrhage/ Haemor- rhagic stroke) - 20%	the body wil vice versa					Problems with abstract thinking
		Traumatic S Brain ti Injury v (TBI) - s OPEN fi HEAD p INJURY	Sudden damage to the brain caused when the scalp/ skull is broken, fractured, or penetrated				and judgement
					Vision impairments		Confusion
					Sensory deficits		and swallowing
					Paralysis, movement diffic- ulties		difficulties
			Damage to brain tissue and blood vessels			PARKIN- SON'S DISEASE	Degeneration/ death of nerve cells leads to movement & cognitive impair- ments

#### By aoife

cheatography.com/aoife/

Not published yet. Last updated 11th October, 2022. Page 2 of 3. Sponsored by CrosswordCheats.com Learn to solve cryptic crosswords! http://crosswordcheats.com

# Cheatography

## NEUROLOGY AND SLP Cheat Sheet by aoife via cheatography.com/165126/cs/34581/

Progressive dis	seases (cont)	Progressive diseases (cont)			
	Occurs in	Fatigue			
	around 1% of the	Mobility problems			
	population aged over 60	Problems with thinking, learning and planning			
Symptoms	Tremor (can affect limbs + jaw, tongue, face in some cases)	Speech and swallowing diffic- ulties			
	Absence of/ Reduced movement				
	Muscle rigidity				
	Stooped posture				
	Dementia (40% cases)				
MULTIPLE SCLEROSIS	Demyelinating disease				
	• in which the protective cover (Myelin) of nerve cells in the brain and spinal cord are damaged				
	Disrupts the ability of the nervous system to communicate properly (i.e. information transfer affected)				
	➢ More common in women 20-40 years old				
	<ul> <li>Cause not</li> <li>known (genetics</li> <li>environmental</li> <li>factors such as</li> <li>infections</li> <li>proposed)</li> </ul>				
Symptoms	vary depending on the lesion sites				

#### By aoife

cheatography.com/aoife/

Not published yet. Last updated 11th October, 2022. Page 3 of 3.

### Sponsored by CrosswordCheats.com Learn to solve cryptic crosswords! http://crosswordcheats.com