Phonological Segmentation of Final Sounds:

Instructions for Use

All the materials in this task are monosyllabic words and nonwords of CVC structure. They are designed for use in conjunction with word and nonword minimal pair tasks (eg. [1] and [2]). This task provides information about a person's ability to segment the final sound of a heard string. By including nonwords as well as words, auditory analysis skills can be tested independently of lexical phonological processes. The ability to carry out phonological segmentation has been considered to be relevant to remedial work on reading in some cases (eg. Mitchum, C. & Berndt, R. (1991) **Journal of Neurolinguistics, 6**, 103 - 137).

Special Points:

Before using this task, check that the patient can not only recognise written letters but also match them with heard sounds (eg. [18], [19], [20], [23]).

Mask all the lines of written letters except the one you want the patient to attend to.

To avoid confusion, do not present this task in the same session as Phonological Segmentation of Initial Sounds [16].

Descriptive Statistics (for 25 control subjects):

Final Sounds of Words:
n = 30   Mean = 29.29   Std. Dev. = 0.69

Final Sounds of Nonwords
n = 15   Mean = 14.17   Std. Dev. = 1.20

Suggestions for Where to go next: If the patient performs poorly on this task, check auditory processing abilities (eg. the ability to carry out nonword discrimination [1]). If the patient can carry out same-different judgements with nonwords successfully, then this suggests that there may be a specific problem to do with segmenting the string rather than 'hearing' it. In this case, one might also anticipate a problem in phonological segmentation of initial sounds [16] and auditory rhyme judgements [14, 15], though not necessarily in judgements of word homophony [28]. Also try Digit Span tasks [13].

Error analysis should help to identify patients who make sound-based errors (of voice, manner and place) and those who make visual confusion errors such as **u** for **n** and **t** for **f** (coded as 'c' errors on the score sheet).

Phonological Segmentation of Final Sounds:

Presenter's & Marking Form

Name:	Date:

Instructions to Subject: I'm going to say some items. Some are real words. Some are 'made-up' words. Say the words after me. Listen for the **last sound** in the word. Find it here. **Prevent subject from lipreading. Use the words 'fate' and 'time' as practice items.**

Marking Instructions: Tick correct answer in Target column. Circle wrong choice in appropriate column: 1, 2, 3 or 4. Adjacent letters in bold type indicate what the error is: an error of voicing (**v**), manner (**m**) or place (**p**), 2 or more distinctive features different (**d**), or a visual error (**c**).

	Target	1		2		3		4			Target	1		2		3		4	
i	**fate**									23	**pack**	t	**p**	p	**p**	d	**d**	h	**c**
ii	**time**									24	voon	m	**p**	d	**m**	b	**d**	u	**c**
1	**robe**	p	**v**	m	**m**	t	**d**	q	**c**	25	**moif**	v	**v**	s	**p**	d	**d**	r	**c**
2	**pat**	d	**v**	p	**p**	l	**d**	f	**c**	26	**big**	b	**p**	d	**p**	l	**d**	y	**c**
3	jeev	f	**v**	z	**p**	s	**d**	u	**c**	27	**right**	d	**v**	s	**m**	m	**d**	r	**c**
4	boin	d	**m**	m	**p**	t	**d**	u	**c**	28	**dab**	m	**m**	d	**p**	n	**d**	q	**c**
5	**toad**	l	**m**	t	**v**	m	**d**	q	**c**	29	hoit	d	**v**	p	**p**	v	**d**	r	**c**
6	moik	g	**v**	t	**p**	d	**d**	h	**c**	30	**lean**	d	**m**	l	**m**	p	**d**	u	**c**
7	**hiss**	z	**v**	t	**m**	d	**d**	e	**c**	31	nard	t	**v**	b	**p**	k	**d**	q	**c**
8	**pot**	d	**v**	p	**p**	s	**d**	f	**c**	32	**bad**	t	**v**	b	**p**	k	**d**	q	**c**
9	zeem	n	**p**	b	**m**	d	**d**	w	**c**	33	**buzz**	s	**v**	d	**m**	t	**d**	x	**c**
10	**cat**	d	**v**	c	**p**	b	**d**	f	**c**	34	kess	z	**v**	f	**p**	d	**d**	e	**c**
11	**code**	t	**v**	l	**m**	k	**d**	b	**c**	35	zill	d	**m**	n	**m**	t	**d**	i	**c**
12	**need**	t	**v**	n	**m**	p	**d**	q	**c**	36	**nod**	t	**v**	n	**m**	k	**d**	q	**c**
13	**bat**	d	**v**	s	**m**	g	**d**	f	**c**	37	**face**	t	**m**	f	**p**	d	**d**	e	**c**
14	fod	t	**v**	n	**m**	k	**d**	q	**c**	38	lub	p	**v**	d	**p**	t	**d**	q	**c**
15	tayz	s	**v**	d	**m**	t	**d**	x	**c**	39	**rum**	n	**p**	b	**m**	t	**d**	w	**c**
16	**god**	t	**v**	g	**p**	v	**d**	q	**c**	40	**back**	g	**v**	t	**p**	d	**d**	h	**c**
17	**rife**	v	**v**	p	**m**	z	**d**	r	**c**	41	**lane**	m	**p**	l	**m**	k	**d**	u	**c**
18	sart	d	**v**	p	**p**	g	**d**	f	**c**	42	**main**	d	**m**	m	**p**	t	**d**	u	**c**
19	**pan**	d	**m**	l	**m**	t	**d**	u	**c**	43	**cone**	m	**p**	d	**m**	k	**d**	h	**c**
20	**safe**	v	**v**	s	**p**	l	**d**	r	**c**	44	**leave**	f	**v**	z	**p**	k	**d**	u	**c**
21	jeg	k	**v**	b	**p**	v	**d**	y	**c**	45	**made**	t	**v**	n	**m**	k	**d**	q	**c**
22	**pail**	d	**m**	n	**m**	z	**d**	i	**c**										

Words	/30	place	/30	2+ dist feat	/45
Nonwords	/15	voice	/30	visual	/45
		manner	/30		

Name:			Date:	

Find the letter that stands for the <u>last sound</u> in the word

i)	l	n	d	m	t
ii)	b	p	m	l	d
1.	t	q	b	p	m
2.	f	t	p	l	d
3.	z	s	u	f	v
4.	d	u	m	t	n
5.	t	l	q	d	m
6.	d	t	k	g	h
7.	s	z	d	e	t
8.	t	p	s	d	f
9.	w	d	b	m	n
10.	f	t	d	c	b
11.	l	k	t	b	d
12.	t	d	p	n	q
13.	f	g	t	s	d
14.	d	n	t	q	k

Name:	Date:

15. s   d   x   z   t

16. t   v   d   g   q

17. v   r   p   z   f

18. f   t   p   g   d

19. t   u   l   n   d

20. l   s   r   f   v

21. y   k   b   v   g

22. l   i   d   n   z

23. d   t   k   p   h

24. u   n   m   b   d

25. v   s   d   r   f

26. g   b   d   y   l

27. d   t   s   m   r

28. q   n   b   d   m

29. t   r   p   v   d

30. p   d   u   n   l

Name:	Date:

Find the letter that stands for the <u>last sound</u> in the word

31.	b	k	d	t	q
32.	t	d	b	q	k
33.	x	d	s	t	z
34.	f	e	d	s	z
35.	t	l	n	d	i
36.	d	t	q	k	n
37.	f	e	d	t	s
38.	t	d	b	q	p
39.	w	b	n	m	t
40.	g	t	h	d	k
41.	n	u	k	m	l
42.	d	n	m	t	u
43.	n	k	h	m	d
44.	z	f	v	u	k
45.	q	t	k	d	n

PALPA

READING & SPELLING

PALPA: Psycholinguistic Assessments of Language Processing in Aphasia

Kay, Lesser & Coltheart

Summary of Assessments

READING AND SPELLING

18. Letter Discrimination: Mirror Reversal
19. Letter Discrimination: Upper -> Lower Case Matching
20. Letter Discrimination: Lower -> Upper Case Matching
21. Letter Discrimination: Words & Nonwords
22. Letter Naming & Sounding
23. Spoken Letter - Written Letter Matching
24. Visual Lexical Decision: Legality
25. Visual Lexical Decision: Imageability x Frequency
26. Visual Lexical Decision: Morphological Endings
27. Visual Lexical Decision: Regularity
28. Homophone Decision
29. Oral Reading: Letter Length
30. Oral Reading: Syllable Length
31. Oral Reading: Imageability x Frequency
32. Oral Reading: Grammatical Class
33. Oral Reading: Grammatical Class x Imageability
34. Oral Reading: Morphological Endings
35. Oral Reading: Regularity
36. Oral Reading: Nonwords
37. Oral Reading: Sentences
38. Homophone Definition x Regularity
39. Spelling to Dictation: Letter Length
40. Spelling to Dictation: Imageability x Frequency
41. Spelling to Dictation: Grammatical Class
42. Spelling to Dictation: Grammatical Class x Imageability
43. Spelling to Dictation: Morphological Endings
44. Spelling to Dictation: Regularity
45. Spelling to Dictation: Nonwords
46. Spelling to Dictation: Disambiguated Homophones