

## Lexical Morphology and Spelling: Instructions for Use

This task looks at whether written spelling to dictation is affected by morphological complexity. Three sets of morphologically complex words have been selected: words with regular inflections, words with derivational endings and irregularly inflected words. Words are matched across groups for frequency and imageability of stem. For each set of morphologically complex words, there is a corresponding set of monomorphemic words which have the same final sound (eg. **tortured/ orchard**). Morphologically complex words and their phonological controls are matched for frequency and imageability of stem and for syllable length. The words are a reduced set of those used in Oral Reading [34] and Repetition [11].

As is the case in reading aloud, morphological errors in spelling (eg. **rocks -> rocked**) have been noted in some acquired dysgraphic disorders (eg. Badecker, W., Hillis, A. & Caramazza, A. (1987) **Cognition**, 35, 205 - 243). However, since morphological errors co-occur with other types of paralexia and paraphasia, it is at least a possibility that they are further examples of visual, phonological or semantic error (eg. Funnell, E. (1987) **Quarterly Journal of Experimental Psychology**, 39A, 497 - 539).

### Special Points:

Find out about pre-morbid spelling ability.

### Descriptive Statistics

Norms are not currently available

**Suggestions for Where to go next:** If the subject makes more errors on morphologically complex words (and these are "morphological" in nature), try and find whether the effect is truly morphological. It is difficult to tease apart morphological effects from visual and semantic effects, particularly if the patient makes all three types of error in written spelling. Test spelling using the set of suffixed and pseudo-suffixed words that Funnell (1987) includes in her paper (see above). If the subject makes no more errors on suffixed than on pseudo-suffixed words, the deficit may not be not genuinely morphological. Explore other aspects of the subject's spelling performance (eg. Imageability and Frequency [40], Grammatical Class [41, 42]).

On the other hand, if the subject has greater difficulty with the suffixed words, producing morphological errors, it may be that the effect really is morphological. Try and find where the effect is located using the variety of input and output morphological tests (eg. Visual Lexical Decision [26], Auditory Lexical Decision [6], Repetition [11], Oral Reading [34]).

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## Lexical Morphology and Spelling:

### Presenter's Form 1

Name: \_\_\_\_\_ Date \_\_\_\_\_

**Marking Instructions:** Circle correct response in the appropriate column (R is regularly inflected; CR is regular control; D is derived; CD is derived control; I is irregularly inflected; CI is irregular control).

Target	Response
1 dent	CI
2 sealed	R
3 dairy	CD
4 sang	I
5 wrist	CR
6 rocks	R
7 cloudy	D
8 lens	CR
9 lazy	D
10 harden	D
11 breeze	CR
12 butter	CD
13 creature	CD
14 hairy	D
15 kissed	R
16 pardon	CD
17 tore	I
18 sank	I
19 shook	I
20 sold	I
21 bees	R
22 crook	CI
23 rug	CI
24 pays	R
25 dug	I
26 nice	CI
27 cutter	D
28 rowdy	CD
29 swam	I
30 tamper	CD

Lexical Morphology and Spelling:

Presenter's Form 2

Name: _____	Date _____
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Target	Response		
31 sterling	<b>CR</b>		
32 curling	<b>R</b>		
33 jaw	<b>CI</b>		
34 tortured	<b>R</b>		
35 bent	<b>I</b>		
36 teacher	<b>D</b>		
37 maze	<b>CR</b>		
38 mice	<b>I</b>		
39 freed	<b>R</b>		
40 daisy	<b>CD</b>		
41 lied	<b>R</b>		
42 crumble	<b>D</b>		
43 dandy	<b>CD</b>		
44 sailor	<b>D</b>		
45 bled	<b>I</b>		
46 shield	<b>CR</b>		
47 hang	<b>CI</b>		
48 tailor	<b>CD</b>		
49 pram	<b>CI</b>		
50 box	<b>CR</b>		
51 handy	<b>D</b>		
52 shed	<b>CI</b>		
53 orchard	<b>CR</b>		
54 camper	<b>D</b>		
55 bold	<b>CI</b>		
56 ride	<b>CR</b>		
57 fumble	<b>CD</b>		
58 plead	<b>CR</b>		
59 pens	<b>R</b>		
60 tank	<b>CI</b>		
Regular Inflection ( <b>R</b> )	/15	Regular Control ( <b>CR</b> )	/15
Derived ( <b>D</b> )	/15	Derivational Control ( <b>CD</b> )	/15
Irregular Inflection ( <b>I</b> )	/15	Inflectional Control ( <b>CI</b> )	/15

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## Lexical Morphology and Spelling:

### Marking Form

Name: \_\_\_\_\_ Date: \_\_\_\_\_

<b>R Regularly Inflected</b>		<b>CR Unaffixed Phonological Control</b>	
1	rocks	box	
2	pays	maze	
3	bees	breeze	
4	pens	lens	
5	lied	ride	
6	sealed	shield	
7	kissed	wrist	
8	freed	plead	
9	tortured	orchard	
10	curling	sterling	
Total Correct		Total Correct	
<b>D Derivational</b>		<b>CD Unaffixed Phonological Control</b>	
1	handy	dandy	
2	sailor	tailor	
3	teacher	creature	
4	camper	tamper	
5	crumble	fumble	
6	harden	pardon	
7	hairy	dairy	
8	lazy	daisy	
9	cloudy	rowdy	
10	cutter	butter	
Total Correct		Total Correct	
<b>I Irregularly Inflected</b>		<b>CI Unaffixed Phonological Control</b>	
1	mice	nice	
2	bled	shed	
3	sold	bold	
4	bent	dent	
5	shook	crook	
6	tore	jaw	
7	swam	pram	
8	dug	rug	
9	sang	hang	
10	sank	tank	
Total Correct		Total Correct	