

Lexical Morphology and Reading: Instructions for Use

This task looks at whether reading aloud 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 syllable length.

Morphological errors in reading aloud (eg. **rocks -> rocked**) have been noted in some acquired dyslexic disorders (cf. papers in Coltheart, M. Patterson, K.E. & Marshall, J.C. (1987), **Deep Dyslexia**, London: Routledge & Kegan Paul). It has been claimed that these errors may be semantic or visual in nature rather than morphological (eg. Funnell, E. (1987) **Quarterly Journal of Experimental Psychology**, 39A, 497 - 539).

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 reading aloud. Test reading aloud 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 genuinely morphological. Explore other aspects of the subject's reading performance (eg. Imageability and Frequency [31]).

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], Spelling to Dictation [42]).

Reading Task

Please read each word aloud as clearly as you can

dent

dug

merger

sealed

dairy

slid

sang

fiend

sand

wrist

smiled

rocks

murder

cloudy

lens

lazy

luck

harden

breeze

butter

creature

hairy

kissed

ducks

grease

froze

pardon

tore

sank

shook

sold

bees

slimmer

lid

crook

rug

pays

pheasant

cleaned

nice

belt

mild

cutter

frost

crux

Reading Task

Please read each word aloud as clearly as you can

rowdy

swam

danger

buyer

tamper

stuck

sterling

curling

jaw

tortured

bent

teacher

pleasant

maze

wire

mice

stranger

pose

freed

daisy

lied

crumble

dandy

tank

sailor

bled

shield

hang

crossed

tailor

pram

box

geese

handy

shed

orchard

camper

bold

ride

canned

fumble

knelt

simmer

plead

pens

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Lexical Morphology and Reading: Presenter's Form 1

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Name: Date

Marking Instructions: Circle incorrect 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	dug	I	
3	merger	D	
4	sealed	R	
5	dairy	CD	
6	slid	I	
7	sang	I	
8	fiend	CR	
9	sand	CR	
10	wrist	CR	
11	smiled	R	
12	rocks	R	
13	murder	CD	
14	cloudy	D	
15	lens	CR	
16	lazy	D	
17	luck	CI	
18	harden	D	
19	breeze	CR	
20	butter	CD	
21	creature	CD	
22	hairy	D	
23	kissed	R	
24	ducks	R	
25	grease	CI	
26	froze	I	
27	pardon	CD	
28	tore	I	
29	sank	I	
30	shook	I	
31	sold	I	
32	bees	R	
33	slimmer	D	
34	lid	CI	
35	crook	CI	
36	rug	CI	
37	pays	R	
38	pheasant	CD	
39	cleaned	R	
40	nice	CI	
41	belt	CI	
42	mild	CR	
43	cutter	D	
44	frost	CR	
45	crux	CR	

Lexical Morphology and Reading: Presenter's Form 2

Name: _____ Date _____

Target	Response	
46 rowdy	CD	
47 swam	I	
48 danger	CD	
49 buyer	D	
50 tamper	CD	
51 stuck	I	
52 sterling	CR	
53 curling	R	
54 jaw	CI	
55 tortured	R	
56 bent	I	
57 teacher	D	
58 pleasant	D	
59 maze	CR	
60 wire	CD	
61 mice	I	
62 stranger	D	
63 pose	CI	
64 freed	R	
65 daisy	CD	
66 lied	R	
67 crumble	D	
68 dandy	CD	
69 tank	CI	
70 sailor	D	
71 bled	I	
72 shield	CR	
73 hang	CI	
74 crossed	R	
75 tailor	CD	
76 pram	CI	
77 box	CR	
78 geese	I	
79 handy	D	
80 shed	CI	
81 orchard	CR	
82 camper	D	
83 bold	CI	
84 ride	CR	
85 canned	R	
86 fumble	CD	
87 knelt	I	
88 simmer	CD	
89 plead	CR	
90 pens	R	
Regular Inflection (R)	/15	CR /15
Derived (D)	/15	CD /15
Irregular Inflection (I)	/15	CI /15

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Lexical Morphology and Reading: Marking Form

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Name: _____ Date _____

R	Regularly Inflected	CR	Unaffixed Phonological Control
1	rocks		box
2	canned		sand
3	curling		sterling
4	pens		lens
5	lied		ride
6	smiled		mild
7	kissed		wrist
8	sealed		shield
9	tortured		orchard
10	ducks		crux
11	pays		maze
12	cleaned		fiend
13	freed		plead
14	bees		breeze
15	crossed		frost
Total Correct		Total Correct	
D	Derivational	CD	Unaffixed Phonological Control
1	handy		dandy
2	merger		murder
3	stranger		danger
4	teacher		creature
5	crumble		fumble
6	camper		tamper
7	harden		pardon
8	slimmer		simmer
9	cloudy		rowdy
10	pleasant		pheasant
11	lazy		daisy
12	hairy		dairy
13	cutter		butter
14	buyer		wire
15	sailor		tailor
Total Correct		Total Correct	
I	Irregularly Inflected	CI	Unaffixed Phonological Control
1	geese		grease
2	slid		lid
3	mice		nice
4	bent		dent
5	shook		crook
6	knelt		belt
7	stuck		luck
8	dug		rug
9	sang		hang
10	sank		tank
11	froze		pose
12	tore		jaw
13	sold		bold
14	bled		shed
15	swam		pram
Total Correct		Total Correct	