

Letter Discrimination: Letters in Words & Nonwords

Instructions for Use

While the previous two tasks [19, 20] test the subject's ability to match upper and lower case forms of a single letter, this task examines whether the subject can match upper and lower case letters in multi-letter strings (cf. Friedrich, F.J., Walker, J.A. & Posner, M.I. (1985) **Cognitive Neuropsychology**, 2, 253-264). The subject is required to decide whether pairs of items are the same or different. All of the test items have 5 letters. "Same" pairs are the same item written in upper and lower case (eg. **bribe-BRIBE**); "different" pairs differ in just one letter (eg. **BRIBE-tribe**). The difference occurs either at the beginning of the items (the 1st letter), at the middle (the 3rd letter) or at the end (5th letter). Half of the pairs are words and half are nonwords. Decisions to the word pairs need not be made by examining each item letter-by-letter; they can be based on knowledge that the items are different words or the same words. On the other hand, decisions to the nonword pairs are not helped by lexical information.

Special Points:

Make sure that the subject understands what he or she is being asked to do, and what "same" and "different" mean in this task.

Ensure that the subject does not sound the words aloud.

Descriptive Statistics:

Norms are not currently available

Suggestions for Where to Go Next: If the subject performs poorly on words and nonwords, test ability to carry out cross-case matching with single letters [19, 20]. If the subject is very slow at making decisions to both word and nonword pairs and seems to find it harder to spot differences that occur at the ends of the words, test oral reading of words of increasing letter length [29]. If the subject shows a particular difficulty with the nonword materials, test nonword reading [36].

PALPAReading Task

Name: _____	Date: _____
-------------	-------------

Put a tick if the two items have the same letters

- | | | | |
|-----------------|-----------------|-----------------|--|
| P. TOWER tower | P. tower TOWEL | P. WTOER wtoel | |
| 1. dream DREAM | 2. gnria TNRIA | 3. HSROE hsroe | |
| 4. click CLOCK | 5. lmeon DMEON | 6. track TRACK | |
| 7. bwonr BWONR | 8. bribe BRIBE | 9. ROUGH rough | |
| 10. black BLOCK | 11. CKITR ckitr | 12. LCOKC lcikc | |
| 13. house HOUSE | 14. greed GREEN | 15. bench BEACH | |
| 16. TRAIN grain | 17. RDAED rdaed | 18. ASGRS asgrp | |
| 19. EERGN eergd | 20. CRTAK crtak | 21. crown BROWN | |
| 22. EBAHC ebnch | 23. demon DEMON | 24. AIHCN aihcn | |
| 25. chair CHAIR | 26. grasp GRASS | 27. tbrie BBRIE | |
| 28. kbocl KBOCL | 29. TRACE track | 30. bghuo BGHUO | |

Reading Task

Name:	Date:
-------	-------

Put a tick if the two items have the same letters

- | | | | | | |
|-----------|-------|-----------|-------|-----------|-------|
| 31. DREAM | dread | 32. CLICK | click | 33. BWONR | cwonr |
| 34. TBRIE | tbrie | 35. LMEON | lmeon | 36. BLACK | black |
| 37. hsroe | HSUOE | 38. rough | BOUGH | 39. ebahc | EBAHC |
| 40. CROWN | crown | 41. BENCH | bench | 42. GREED | greed |
| 43. ckitr | CKATR | 44. KBOCL | kbacl | 45. crtak | CRTAE |
| 46. GRASP | grasp | 47. BGHUO | rghuo | 48. BRIBE | tribe |
| 49. GNRIA | gnria | 50. rdaed | RDAEM | 51. trace | TRACE |
| 52. DEMON | lemon | 53. HOUSE | horse | 54. asgrs | ASGRS |
| 55. eerng | EERGN | 56. train | TRAIN | 57. TRACK | trick |
| 58. CHAIR | chain | 59. lcokc | LCOKC | 60. aihcn | AIHCR |

PALPA

Letter Discrimination: Words & Nonwords

Presenter's Form

Name:	Date:
-------	-------

Instructions to Subject: Here are two written words. [Show practice words: **TOWER-tower.**] One is written in small letters and one is written in capitals. Do not say them aloud. Do they have the same letters in them? Put a tick if they are the same. Yes, they do have the same letters in them. What about these two words? [Show practice words: **tower-TOWEL.**] Do they have the same letters in them? Put a cross if they do not have the same letters in them. That's right, one of the letters is different. Here are two more things. [Show practice words: **WTOER-wtoel.**] Do these things have the same letters in them? No, one of the letters is different. [Begin test list.]

Marking Instructions: Circle wrong answers in Yes/No columns. Letters in bold indicate whether the difference occurs at the **beginning**, **middle** or **end** of item pairs.

No.	Word pair	Type	Y/N	No.	Word pair	Type	Y/N
1	dream-DREAM	W	Y	31	DREAM-dread e	W	N
2	gnria-TNRIA b	NW	N	32	CLICK-click	W	Y
3	HSROE-hsroe	NW	Y	33	BWONR-cwonr b	NW	N
4	click-CLOCK m	W	N	34	TBRIE-tbrie	NW	Y
5	lmeon-DMEON b	NW	N	35	LMEON-lmeon	NW	Y
6	track-TRACK	W	Y	36	BLACK-black	W	Y
7	bwonr-BWONR	NW	Y	37	hsroe-HSUOE m	NW	N
8	bribe-BRIBE	W	Y	38	rough-BOUGH b	W	N
9	ROUGH-rough	W	Y	39	ebahc-EBAHC	NW	Y
10	black-BLOCK m	W	N	40	CROWN-crown	W	Y
11	CKITR-ckitr	NW	Y	41	BENCH-bench	W	Y
12	LCOKC-lcokc m	NW	N	42	GREED-greed	W	Y
13	house-HOUSE	W	Y	43	ckitr-CKATR m	NW	N
14	greed-GREEN e	W	N	44	KBOCL-kbacl m	NW	N
15	bench-BEACH m	W	N	45	crtak-CRTAE e	NW	N
16	TRAIN-grain b	W	N	46	GRASP-grasp	W	Y
17	RDAED-rdaed	NW	Y	47	BGHUO-rghuo b	NW	N
18	ASGRS-asgrp e	NW	N	48	BRIBE-tribe b	W	N
19	EERGN-eergd e	NW	N	49	GNRIA-gnria	NW	Y
20	CRTAK-crtak	NW	Y	50	rdaed-RDAEM e	NW	N
21	crown-BROWN b	W	N	51	trace-TRACE	W	Y
22	EBAHC-ebnhc m	NW	N	52	DEMON-lemon b	W	N
23	demon-DEMON	W	Y	53	HOUSE-horse m	W	N
24	AIHCN-aihcn	NW	Y	54	asgrs-ASGRS	NW	Y
25	chair-CHAIR	W	Y	55	eergn-EERGN	NW	Y
26	grasp-GRASS e	W	N	56	train-TRAIN	W	Y
27	tbrie-BBRIE b	NW	N	57	TRACK-trick m	W	N
28	kbocl-KBOCL	NW	Y	58	CHAIR-chain e	W	N
29	TRACE-track e	W	N	59	lcokc-LCOKC	NW	Y
30	bghuo-BGHUO	NW	Y	60	aihcn-AIHCN e	NW	N

Word	Correct (Y)	/15	Correct (N)	/15	b =	m =	e =
Nonwords	Correct (Y)	/15	Correct (N)	/15	b =	m =	e =

Letter Discrimination: Words & Nonwords

Marking Form

Name: _____	Date: _____
-------------	-------------

"Same" Word Pairs		"Different" Word Pairs	
1	bribe-BRIBE	BRIBE-tribe	b
2	CROWN-crown	crown-BROWN	b
3	train-TRAIN	TRAIN-grain	b
4	ROUGH-rough	rough-BOUGH	b
5	demon-DEMON	DEMON-lemon	b
6	BLACK-black	black-BLOCK	m
7	house-HOUSE	HOUSE-horse	m
8	BENCH-bench	bench-BEACH	m
9	track-TRACK	TRACK-trick	m
10	CLICK-click	click-CLOCK	m
11	chair-CHAIR	CHAIR-chain	e
12	GREED-greed	greed-GREEN	e
13	dream-DREAM	DREAM-dread	e
14	GRASP-grasp	grasp-GRASS	e
15	trace-TRACE	TRACE-track	e
Total Correct		/15	Total Correct
			/15
"Same" Nonword Pairs		"Different" Nonword Pairs	
1	TBRIE-tbrie	tbrie-BBRIE	b
2	bwonr-BWONR	BWONR-cwonr	b
3	GNRIA-gnria	gnria-TNRIA	b
4	bghuo-BGHUO	BGHUO-rghuo	b
5	LMEON-lmeon	lmeon-DMEON	b
6	kbocl-KBOCL	KBOCL-kbacl	m
7	HSROE-hsroe	hsroe-HSUOE	m
8	ebahc-EBAHC	EBAHC-ebnhc	m
9	CKITR-ckitr	ckitr-CKATR	m
10	lcokc-LCOKC	LCOKC-lcick	m
11	AIHCN-aihcn	aihcn-AIHCR	e
12	eergn-EERGN	EERGN-eergd	e
13	RDAED-rdaed	rdaed-RDAEM	e
14	asgrs-ASGRS	ASGRS-asgrp	e
15	CRTAK-crtak	crtak-CRTAE	e
Total Correct		/15	Total Correct
			/15