

Insect-inspired Robots

#	ENGLISH	O‘ZBEKCHA	РУССКИЙ	EXAM-READY EXAMPLE
1	navigate verb · B2 · /ˈnævɪgeɪt/	yoʻl topmoq, harakatlanmoq	ориентироваться, прокладывать путь	A tiny insect navigates its way across featureless salt-pans.
2	featureless adjective · C1 · /ˈfi:tʃələs/	bir xil, koʻzga tashlanadigan joyi yoʻq	однообразный, без ориентиров	An insect crosses featureless salt-pans.
3	scramble verb · B2 · /ˈskræmbəl/	tirmashib chiqmoq	карабкаться	A cockroach works out how to scramble over an obstacle.
4	obstacle noun · B2 · /ˈɒbstəkl/	toʻsiq	препятствие	A cockroach scrambles over an obstacle .
5	pinhead noun · C1 · /ˈpɪnhed/	toʻgʻnogʻich boshi	булавочная головка	Insects have brains tinier than a pinhead .
6	biomimetics noun · C2 · /ˌbaɪəʊmɪˈmetɪks/	biomimetika, tabiatdan nusxa olish	биомиметика	Biomimetics is one of the most exciting new fields of technology.
7	delegate noun · B2 · /ˈdelɪɡət/	delegat, vakil	делегат	Delegates at a recent conference presented their work.
8	landmark noun · B2 · /ˈlændmɑːk/	moʻljal, diqqatga sazovor joy	ориентир	Wasps use landmarks to find their way back to the nest.
9	orient verb · C1 · /ˈɔːrɪənt/	yoʻnalishni aniqlamoq	ориентироваться	Wasps use 'turn back and look' to orient themselves.
10	perspective noun · B2 · /pəˈspektɪv/	burchak, koʻrish nuqtasi	ракурс, угол зрения	Wasps look in images of the nest from different angles and perspectives .
11	panoramic adjective · C1 · /ˌpænəˈræmɪk/	panoramali, keng manzarali	панорамный	The robot uses a panoramic camera.
12	navigational aid noun phrase · C1 · /ˌnævɪˈɡeɪʃənəl eɪd/	navigatsiya vositasi	навигационное средство	Landmarks are sorted by how reliable they are as navigational aids .
13	forage verb · C1 · /ˈfɔːrɪdʒ/	oziq-ovqat izlamoq	добывать корм	The ant leaves its nest and forages for food.
14	polarised light noun phrase · C2 · /ˈpəʊləraɪzd laɪt/	qutblangan yorugʻlik	поляризованный свет	Cataglyphis uses polarised light to orient itself.

15	rim noun · B2 · /rɪm/	chet, gardish	край, ободок	Photoreceptors along the upper rim of its eyes detect polarised light.
16	snapshot noun · B2 · /ˈsnæpʃɒt/	lahzalik surat	моментальный снимок	The ant stores a ' snapshot ' image of landmarks near the nest.
17	periodically adverb · C1 · /ˌpɪəriˈɒdɪkli/	vaqti-vaqti bilan	периодически	A 'path integrator' periodically informs the ant of its position.
18	simultaneously adverb · C1 · /ˌsɪmlɪˈteɪniəsli/	bir vaqtning o'zida	одновременно	The ant has many separate subroutines going on simultaneously .
19	stay aloft verb phrase · C1 · /steɪ əˈlɒft/	havoda qolmoq	держаться в воздухе	The robot must stay aloft in the thin atmosphere of Mars.
20	hover verb · B2 · /ˈhɒvə/	bir joyda muallaq turmoq	парить, зависать	The craft can fly slowly or hover in the thin Martian air.
21	reciprocally adverb · C2 · /rɪˈsɪprəkli/	navbatma-navbat, o'zaro	попеременно, взаимно	The Entomopter's wings beat reciprocally .
22	terrain noun · B2 · /təˈreɪn/	yer relyefi, joy	местность, рельеф	Cockroaches run very fast over rough terrain .
23	all-terrain vehicle noun phrase · B2 · /ɔ:l təˈreɪn ˈvi:əkl/	har qanday yo'lda yuruvchi transport	вездеход	Cockroach skills may give rise to a new all-terrain vehicle .
24	give rise to verb phrase · C1 · /ɡɪv raɪz tu:/	...ga sabab bo'lmoq, keltirib chiqarmoq	приводить к, порождать	Cockroach skills may one day give rise to a new vehicle.
25	traverse verb · C2 · /trəˈvɜ:s/	kesib o'tmoq	пересекать	The robots traverse complex terrain safely.
26	rugged adjective · B2 · /ˈrʌɡɪd/	notekis, qoyali	пересечённый, скалистый	The robots can handle surprisingly rugged terrain.
27	tremendous adjective · B2 · /trəˈmendəs/	ulkan, juda katta	огромный	Experts believe there are tremendous opportunities in biorobotics.
28	swarm noun · B2 · /swɔ:m/	to'da, gala	рой	Dr Webb predicted swarms of tiny, cheap, insect-like robots.
29	ethical implications noun phrase · C1 · /ˈeθɪkl ɪmˌpliˈkeɪʃnz/	axloqiy oqibatlar	этические последствия	Delegates were concerned about the ethical implications of biorobotics.
30	pay close attention to verb phrase · B2 · /peɪ kləʊs əˈtenʃn tu:/	...ga katta e'tibor bermoq	уделять пристальное внимание	Delegates urged scientists to pay close attention to the ethics of biorobotics.

