

50 Ways to **PASS** the Living Environment Regents!

Way #	Topic	Concept	Video Length (min:sec)	Number of Multiple Choice (MC) and/or Short Answer (SA) from June, 2024 LE Regents	# of points
1	Scientific Method	Hypothesis	1:22	1 MC	1
2	Scientific Method	Independent/Dependent Variables	1:41	1 SA	1
3	Scientific Method	Control Group vs. Experimental Group	2:06	1 SA	1
4	Scientific Method	Making a Graph	2:22	2 SA	2
5	Scientific Method	Improve Validity of an Experiment	1:59		
6	Biochemistry	Nutrients & Building Blocks	1:24	2 MC, 1 SA	3
7	Biochemistry	Structure/Function	1:12	1 SA	1
8	Biochemistry	Enzyme Activity	1:19	1 SA	1
9	Biochemistry	Proteins	0:56		
10	Cells	Ribosomes	1:12		
11	Cells	ATP	1:14	3 MC	3
12	Cells	Cell Membrane	1:27	1 SA	1
13	Cells	Photosynthesis/Respiration	2:52	1 MC, 3 SA	4
14	Cells	Receptor Molecules	1:14	1 MC	1
15	Cells	Levels of Organization	1:02	2 MC	2
16	Homeostasis	Guard cells/Homeostasis	0:37		
17	Homeostasis	Insulin/Homeostasis	1:43		
18	Immunity	Allergic Reaction	1:14		
19	Immunity	Pathogens	1:40	1 MC, 1 SA	2
20	Immunity	Vaccines	0:43	1 MC	1
21	Reproduction	Asexual Reproduction	1:15	1 MC	1
22	Reproduction	Cloning	2:16	1 MC	1
23	Reproduction	Sexual Reproduction	1:42	3 MC, 1 SA	4
24	Reproduction	Female Reproductive System	2:33	2 MC, 1 SA	3
25	Reproduction	Male Reproductive System	1:21		

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26	Evolution	Evolutionary Pathways/Trees	2:32	1 MC	1
27	Evolution	Fossil Record	0:41		
28	Evolution	Natural Selection	1:33	2 MC, 1 SA	3
29	Evolution	Survival of the Fittest	2:26	2 MC, 1 SA	3
30	Evolution	Common Ancestor	2:03	1 MC	1
31	Genetics	Mutations	1:50	1 MC, 1 SA	2
32	Genetics	Selective Breeding	1:01		
33	Genetics	Genetic Engineering	1:12	2 MC	2
34	Genetics	Gene Expression	1:13	2 MC	2
35	Ecology	Food Pyramid	2:23	3 MC, 2 SA	5
36	Ecology	Decomposers	0:45	1 MC	1
37	Ecology	Ecological Succession	1:19	1 MC	1
38	Ecology	Competition	0:44	1 MC, 5 SA	6
39	Ecology	Biodiversity	2:17		
40	Ecology	Carrying Capacity	1:19	2 SA	2
41	Ecology	Human Population Growth	1:23	2 MC	2
42	Ecology	Global Warming	1:57		
43	Ecology	Environmental Decisions	2:10	4 MC, 1 SA	5
44	Lab Based Concepts	Diffusion	2:18	2 MC	2
45	Lab Based Concepts	Microscope	2:01		
46	Lab Based Concepts	DNA to RNA	1:23		
47	Lab Based Concepts	Fill in the Missing Amino Acid Sequence	1:18		
48	Lab Based Concepts	Gel Electrophoresis	1:30	1 SA	1
49	Lab Based Concepts	Chromatography	0:50		
50	Lab Based Concepts	Beaks of Finches: Niches	1:17	1 MC, 1 SA	2
Average Video Length:			1:33		

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Regents Examination in Living Environment – June 2024

Chart for Converting Total Test Raw Scores to Final Examination Scores (Scale Scores)

Raw Score	Scale Score
41	65
74	90

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