

Biology 12
Resource Exam A
Answer Key

Cognitive Processes	Weightings	Question Types
K = Knowledge	22%	67 = Multiple Choice (MC)
U = Understanding	58%	6 = Written Response (WR)
H = Higher Mental Processes	20%	

Topics	Prescribed Learning Outcomes (PLOs)	Weightings
1. Cell Biology	B1–B6	18%
2. Processes of Science and Cell Biology	A2; B7–11	18%
3. Human Biology	C1–C15	64%

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
1.	C	K	1	1	B1	MC
2.	A	K	1	1	B1	MC
3.	B	H	1	1	B1	MC
4.	A	U	1	1	B1	MC
5.	B	H	1	1	B1	MC
6.	C	U	1	1	B3	MC
7.	B	K	1	1	B4	MC
8.	C	K	1	1	B4	MC
9.	B	U	1	1	B4	MC
10.	B	U	1	1	B4	MC
11.	A	U	1	1	B4	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
12.	D	H	1	1	B4	MC
13.	A	K	1	1	B5	MC
14.	A	U	1	1	B5	MC
15.	B	U	1	1	B5	MC
16.	C	H	1	1	B5	MC
17.	B	K	1	2	B7	MC
18.	C	H	1	2	B7	MC
19.	C	K	1	2	B9	MC
20.	A	H	1	2	B9	MC
21.	C	U	1	2	B9	MC
22.	C	U	1	2	B9	MC
23.	D	U	1	2	B11	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
24.	A	H	1	2	B10	MC
25.	A	K	1	2	B11	MC
26.	D	U	1	2	B11	MC
27.	B	U	1	2	B11	MC
28.	A	U	1	2	B11	MC
29.	A	U	1	2	B11	MC
30.	A	U	1	2	B11	MC
31.	A	K	1	3	C1	MC
32.	D	K	1	3	C1	MC
33.	B	H	1	3	C2	MC
34.	B	H	1	3	C2	MC
35.	B	K	1	3	C3	MC
36.	D	K	1	3	C3	MC
37.	A	U	1	3	C3	MC
38.	D	K	1	3	C5	MC
39.	B	U	1	3	C6	MC
40.	B	H	1	3	C4	MC
41.	C	U	1	3	C5	MC
42.	C	H	1	3	C4	MC
43.	A	U	1	3	C8	MC
44.	C	U	1	3	C10	MC
45.	D	K	1	3	C10	MC
46.	C	U	1	3	C10	MC
47.	D	U	1	3	C10	MC
48.	D	U	1	3	C10	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
49.	C	H	1	3	C10	MC
50.	C	K	1	3	C11	MC
51.	C	U	1	3	C12	MC
52.	B	U	1	3	C12	MC
53.	C	U	1	3	C12	MC
54.	B	K	1	3	C13	MC
55.	D	K	1	3	C13	MC
56.	C	U	1	3	C13	MC
57.	C	U	1	3	C13	MC
58.	C	U	1	3	C13	MC
59.	D	U	1	3	C13	MC
60.	D	U	1	3	C13	MC
61.	D	H	1	3	C13	MC
62.	B	H	1	3	C13	MC
63.	C	K	1	3	C14	MC
64.	C	H	1	3	C14	MC
65.	A	H	1	3	C14	MC
66.	C	U	1	3	C15	MC
67.	D	K	1	3	C15	MC

Question Number	Keyed Response	Cognitive Process	Mark	Topic	PLO	Question Type
1.	-	U	3	2	B7	WR
2.	-	U	5	3	C1, C2	WR
3.	-	U	3	3	C5	WR
		H	2			
4.	-	U	5	3	C11	WR
5.	-	U	5	3	C15	WR