

Answer Key Report On Quiz1 Version A

Course #: BIOL 1000 A

Instructor: Wilson

Course Title: Test 1 Ver A

Description: 20131004

Day/Time:

Term/Year:

Total no. of items: 21

Subjective Score: 0

Item	Answer	Weight	Penalty
1	D	1.00	0.00
2	C	1.00	0.00
3	B	1.00	0.00
4	A	1.00	0.00
5	A	1.00	0.00
6	C	1.00	0.00
7	C	1.00	0.00
8	D	1.00	0.00
9	C	1.00	0.00
10	C	1.00	0.00
11	B	1.00	0.00
12	C	1.00	0.00
13	D	1.00	0.00
14	B	1.00	0.00
15	C	1.00	0.00
16	D	1.00	0.00
17	C	1.00	0.00
18	C	1.00	0.00
19	D	1.00	0.00
20	D	1.00	0.00
21		0.00	0.00

TEST 1 Short Answer Question

1a) Briefly (two sentences each) describe the cell theory and the theory of evolution. 3 marks

Evolution (max 1.5 marks) Any three of the following:

- Characteristics within a population change over time (0.5)
- The changes are heritable: thus allele frequencies change within populations (0.5)
- Existing species give rise to new species; some species disappear, while new ones emerge (0.5)
- A brief description of Natural Selection as a major force for evolution

For full marks must mention importance of heritable variations and/or allele frequencies

Cell theory (max 1.5 marks)

- All life is made of up of cells
- Cells form the basic unit of life – nothing smaller than a cell has all the characteristics of life
- all cells come from pre-existing cells

b.) In your own words describe how cell theory and the theory of evolution are connected (how they support each other; what they have in common). 2 marks

Both are connected through common ancestry:

- Evolution implies common ancestry - new species from pre-existing species, emergence of diversity from common origins.
- Cell theory also implies common ancestry. "All cells come from pre-existing cells" - thus the diversity in cells we see today must share a common ancestor, supporting the theory of evolution.

(1 mark for identifying the connection, 1 mark for explaining how)