1)	The coupling factor which links oxidation to phosphorylation is:
a	. Willochondrial Al Pase
b	
c. d	•
•	Tyruvute uenyurogenuse
<u>2)</u>	The final electron acceptor of complex I is:
a.	
b.	Ubiquinone
c.	Cytochrome c
d.	Non-Heme iron protein
<u>3)</u>	Which of the following compounds inhibit the phosphorylation of
	OP without affecting electron transport?
a.	
b.	Amytal
C.	Rotenone
d.	Gramicidin A
4)	The only complex in electron transport chain which actually uses
_	olecular oxygen is:
а.	Complex I
b.	Complex II
c.	Complex III
d.	Complex IV
5)	The reactions of all through a second to the second
	The reactions of electron transport chain take place in the tochondria occur in:
a.	The outer membrane
b.	The inner membrane
C.	The mitochondrial matrix
d.	The intermembrane space
	마이트 전문
<u>6)</u>	Cyanide ion is poisonous because it:
a.	Intenfere with fatter the
	Interfere with fatty acid transport

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c. Inhibit gluconeogenesis

d. Inhibit mitochondrial oxidation

. <u>7)</u>	Another name for complex I in the mitochondria is:
a.	Cytochrome C oxidase
b.	NADH-CoQ oxireductase
c.	Succinate-CoQ oxireductase
. d.	Cytochrome A oxidase

- 8) The enzyme that couples oxidation to phosphorylation in the electron transport chain is:
 - a. Cytochrome c oxidase
 - b. ATP synthase
 - c. Cytochomes oxidase
 - d. Succinate-CoQ oxireductase
- 9) Most of the ATP made during cellular respiration is generated by:
 - a. Substrate level phosphorylation
 - b. Oxidative phosphorylation
 - c. Glycolysis
 - d. Photophosphorylation
- How many different peptide chains the F0 portion of ATP synthase has?
 - a. 3
 - b. 4
 - c. 5
 - d. 6
- (11) Which of the following is an uncoupler compound in the electron transport chain?
 - a. Gramicidin A
 - b. Bacteriorhodopsin
- c. FMN
- d. Antimycin A

- 12] The energy coupling factor during oxidative phosphorylation system is:
 - a. Proton pump
 - b. Voltage potential
 - pН
 - d. ATP synthase
- 13.) When mitochnderia are actively carrying out aerobic respiration:
 - a. The pH of the matrix is greater than the pH of the intermembrane space
 - b. The pH of the matrix is less than the pH of the intermembrane space
 - c. The pH of the matrix is about the same as the pH of the intermembrane space
 - d. The pH of the matrix versus the intermembrane space has nothing to do with whether or not aerobic respiration is occurring

Pi The Complete reduction of requires how many electrons moleeule

- - c. 4
 - 1.8

4 5 B B B 8 B 9 10 A 11 A

12 D

13

14

_4 _