Respiration Rap Rubric

S4 C5 PO 1. Compare the processes of photosynthesis and cellular respiration in terms of energy flow, reactants, and products.

Group Members Names:

Excelling (5)	Advanced(4.3)	Proficient(3.8)	Approaching (3.3)	Beginning (3.0)
-Uses all vocabulary at least	-Uses all vocabulary at least	-Uses all vocabulary at least	-Uses all vocabulary at least	-Uses almost all vocabulary
ONCE in the song AND in the	ONCE in the song AND in the	ONCE in the song AND in the	ONCE in the song BUT does	(missing only 1-3 terms) at
proper context	proper context	proper context	not use it in the proper	least ONCE in the song BUT
			context	does not use it in the proper
Glucose	Glucose	Glucose		context
Glycolysis	 Glycolysis 	 Glycolysis 	Glucose	
Pyruvic Acid	Pyruvic Acid	Pyruvic Acid	Glycolysis	Glucose
Adenosine Triphosphate	Adenosine Triphosphate	Adenosine Triphosphate	Pyruvic Acid	Glycolysis
(ATP)	(ATP)	(ATP)	Adenosine Triphosphate	Pyruvic Acid
Respiration	 Respiration 	 Respiration 	(ATP)	Adenosine Triphosphate
Aerobic	Aerobic	Aerobic	Respiration	(ATP)
Anaerobic	 Anaerobic 	 Anaerobic 	Aerobic	 Respiration
Lactic Acid	Lactic Acid	Lactic Acid	Anaerobic	Aerobic
Krebs Cycle	Krebs Cycle	Krebs Cycle	Lactic Acid	Anaerobic
Electron Transport Chain	Electron Transport Chain	Electron Transport Chain	Krebs Cycle	Lactic Acid
Mitochondria	Mitochondria	Mitochondria	Electron Transport Chain	Krebs Cycle
Cytoplasm	 Cytoplasm 	 Cytoplasm 	Mitochondria	Electron Transport Chain
			Cytoplasm	Mitochondria
-Song/Tune clearly conveys	-Song/Tune clearly conveys	-Song/Tune helps to convey		Cytoplasm
overall meaning	overall meaning	overall meaning	OR	
Due do et ene et e d	Due do et eneste d	Due doest one at a d		OR
-Product created demonstrates true and in-	-Product created demonstrates true	-Product created demonstrates understanding	-Uses almost all vocabulary	
depth understanding of the	understanding of the process	of the process of respiration	(missing only 1-3 terms) at	-Uses almost all vocabulary
process of respiration	of respiration	or the process of respiration	least ONCE in the song AND in	(missing only 4+ terms) at
	•		the proper context	least ONCE in the song AND in
- It is evident that the creators				the proper context
went the extra mile to				
produce a truly original and				
unique product				

Photosynthesis Rap Rubric

S4 C5 PO 1. Compare the processes of photosynthesis and cellular respiration in terms of energy flow, reactants, and products.

Group Members Names:

Group Members Names:						
Excelling (5)	Advanced(4.3)	Proficient(3.8)	Approaching (3.3)	Beginning (3.0)		
-Uses all vocabulary at least	-Uses all vocabulary at least	-Uses all vocabulary at least	-Uses all vocabulary at least	-Uses almost all vocabulary		
ONCE in the song AND in the	ONCE in the song AND in the	ONCE in the song AND in the	ONCE in the song BUT does	(missing only 1-3 terms) at		
proper context	proper context	proper context	not use it in the proper	least ONCE in the song BUT		
Sunlight	Sunlight	Sunlight	context	does not use it in the proper		
Chloroplast	Chloroplast	Chloroplast	• Sunlight	context		
Chlorophyll	Chlorophyll	Chlorophyll	 Chloroplast 	Sunlight		
Thylakoid	Thylakoid	Thylakoid	Chlorophyll	Chloroplast		
Stroma	Stroma	Stroma	Thylakoid	Chlorophyll		
Electron Transport Chain	Electron Transport Chain	Electron Transport Chain	• Stroma	Thylakoid		
(ETC)	(ETC)	(ETC)	Electron Transport Chain	Stroma		
Light DependentLight Independent (Calvin	Light Dependent	Light Dependent	(ETC)	Electron Transport Chain		
Light Independent (Calvin Cyle)	Light Independent (Calvin	Light Independent (Calvin	Light Dependent	(ETC)		
Adenosine Triphosphate	Cyle)	Cyle)	Light Independent (Calvin	Light Dependent		
(ATP)	 Adenosine Triphosphate 	 Adenosine Triphosphate 	Cyle)	Light Independent (Calvin		
Glucose (carbohydrates)	(ATP)	(ATP)	 Adenosine Triphosphate 	Cyle)		
Plants	 Glucose (carbohydrates) 	Glucose (carbohydrates)	(ATP)	Adenosine Triphosphate		
 Carbon Dioxide/Oxygen 	• Plants	• Plants	Glucose (carbohydrates)	(ATP)		
-Song/Tune clearly conveys	Carbon Dioxide/Oxygen	Carbon Dioxide/Oxygen	• Plants	Glucose (carbohydrates)		
overall meaning	Carson Diexiae, exygen		 Carbon Dioxide/Oxygen 	• Plants		
-Product created demonstrates true and in-	-Song/Tune clearly conveys	-Song/Tune helps to convey	OR	Carbon Dioxide/Oxygen		
depth understanding of the	overall meaning	overall meaning	-Uses almost all vocabulary	OR		
process of respiration			(missing only 1-3 terms) at	-Uses almost all vocabulary		
- It is evident that the creators	-Product created	-Product created	least ONCE in the song AND in	(missing only 4+ terms) at		
went the extra mile to	demonstrates true understanding of the process	demonstrates understanding of the process of respiration	the proper context	least ONCE in the song AND in		
produce a truly original and	of respiration	of the process of respiration		the proper context		
unique product	555pii 461011					