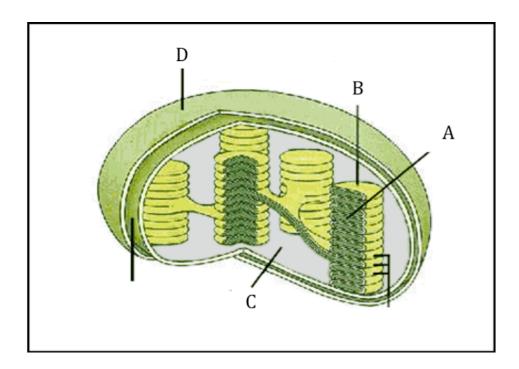
NAME:
NAME:

- 1. What stage of photosynthesis involves the use of the electron transport chain?
 - a. Light-dependent reaction
 - b. Light-independent reaction
 - c. Calvin Cycle
 - d. Krebs Cycle
- Electrons that flow down the first electron transport chain of photosynthesis
 originate from _____ molecules and are replaced by electrons from
 _____ molecules?
 - a. Chlorophyll, water
 - b. Light, chlorophyll
 - c. Chlorophyll, NADPH
 - d. Water, NADPH
- 3. CO2 reacts with a 3-carbon molecule to form malate in ____ photosynthesis, which is then transferred to a _____ cell.
 - a. C4, mesophyll
 - b. C4, bundle-sheath
 - c. C3, mesophyll
 - d. C3, bundle-sheath



- **4.** What reaction occurs in 'A'? **Poorly worded question (thrown out)**
 - a. Light-dependent
 - b. Light-independent

		Calvin Cycle	
	a.	Krebs Cycle	
5.	What is the name of 'C'?		
		Stoma	
		Stroma	
		Thykaloid	
	d.	Granum	
6.		are pumped across the membrane during photosynthesis to form?	
		y worded question (thrown out)	
		Electrons, NADPH	
		Protons, CO ₂	
		Electrons, ATP	
	a.	Protons, ATP	
7.	What molecules are generated in the Krebs Cycle that will be used in the electron transport chain to pump protons across the membrane? (circle all that apply)		
		NADH	
	b.	FADH ₂	
	C.	O_2	
	d.	ATP	
8.	During which stage of cellular respiration is the majority of ATP generated?		
		Glycolysis	
		Making acetyl-CoA	
		Krebs Cycle	
		Electron transport chain	
9.	What	carbon molecule is produced from glycolysis?	
		Pyruvate	
	b.	Malate	
	c.	Acetyl-CoA	
	d.	Glycogen	
10	. What	molecule is formed at the end of the electron transport chain of cellular	
		ation as part of a redox reaction?	
		glucose	
		CO2	
		H20	
	d.	ATP	

 11. The electron transport chain of cellular respiration takes place in what organelle? Poorly worded question (thrown out) a. Nucleus b. Mitochondria c. Chloroplasts d. Plasma membrane
 12. CO₂ is involved (used up) during which stage of photosynthesis? a. Photosystem I b. Photosystem II c. Light-dependent reaction d. Light-independent reaction
 13. Acetyl-CoA is acarbon molecule that joins up with acarbon molecule in the Krebs cycle to form a 6-carbon molecule. a. 2, 4 b. 4, 2 c. 3, 3 d. 1, 5
 14. Photosynthesis and cellular respiration have a lot in common. What molecules are found in both systems? (circle all that apply) a. H20 b. O2 c. CO2 d. Glucose e. NADH f. ATP synthase g. Chlorophyll h. ATP
 15. Plants use to make the majority of the ATP they use, whereas animals use to make the majority of ATP they use. a. Photosynthesis, cellular respiration b. Cellular respiration, photosynthesis c. Cellular respiration, cellular respiration d. Fermentation, cellular respiration