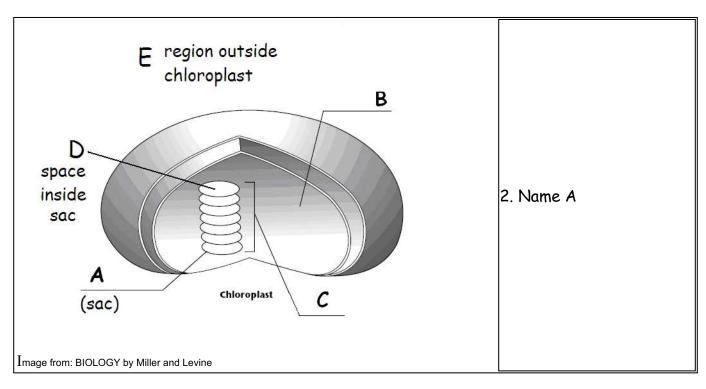
NAME	

CAN YOU FIND IT IN YOUR BINDER?

WARM UP SEMESTER TEST- Bio II

PHOTOSYNTHESIS Chapter 9

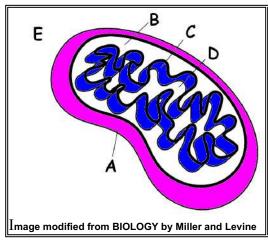
1. Name the products of the Calvin cycle.



- 3. Which gas is given off by plants during photosynthesis?
- 4. Which ion moves through the ATP synthase tunnel and provides the energy to attach a phosphate onto ADP to make ATP?

RESPIRATION Chapter 8

- 5. Which of the following is the correct sequence of events during cellular respiration?
 - A. glycolysis \rightarrow fermentation \rightarrow Krebs cycle
 - B. Krebs cycle \rightarrow Electron Transport \rightarrow glycolysis
 - C. glycolysis \rightarrow Krebs cycle \rightarrow Electron Transport
 - D. Electron Transport \rightarrow Krebs cycle \rightarrow glycolysis
- 6. What happens during glycolysis?
- 7. During cellular respiration which molecule is the last electron acceptor at the end of the Electron Transport chain?

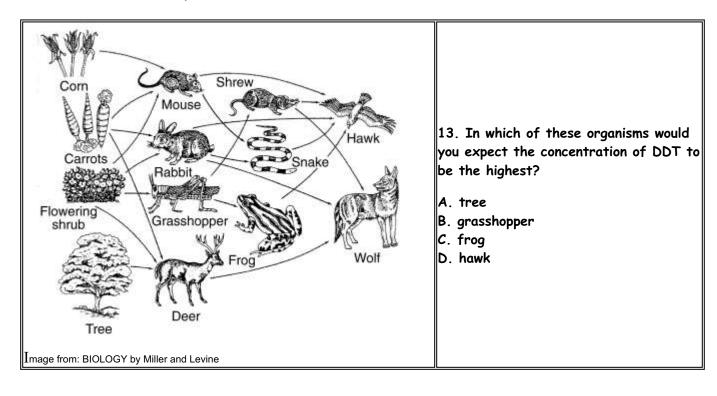


8. Where does the Kreb's cycle happen?

BIOSPHERE Chapter 3

- 9. Food chains always have a(n)_____ on their first trophic level.
- 10. Process in which bacteria convert nitrates into nitrogen gas and release it into the atmosphere.
- 11. Name the biogeochemical cycle which includes fossil fuels as a sink.
- 12. Where do humans get the nitrogen they need to make proteins and DNA?

HUMAN IMPACT Chapter 6



14.	Which of the following environmental problems was the KYOTO ACCORD intended to help?
15.	Burning fossil fuels causes ALL of the following EXCEPT A. acid rain
	B. global warming
	C. ozone depletion
	D. smog
16.	Dead zones are caused by
	A. using aerosols with CFC"'s
	B. fertilizer and animal waste runoff
	C. drought
	D. burning fossil fuels

CLASSIFICATION Chapter 18

17. The scientific name for this animal is *Panthera leo*.

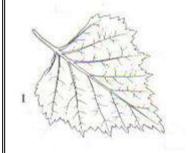
To which genus do lions belong?



- 18. The molecule found in the cell walls of Fungi which makes them different from plants is _____,
- 19. Organisms that "like" to live in hot environments like volcano vents would be in the DOMAIN

Dichotomous Key for Leaves 1. Compound or simple leaf Compound leaf (leaf divided into leaflets)go to step 2 1b) Simple leaf (leaf not divided into leaflets)go to step 4 Arrangement of leaflets 2a) Palmate arrangement of leaflets (leaflets all attached at one central point)Aesculus (buckeye) 2b) Pinnate arrangement of leaflets (leaflets attached at several points)go to step 3 3. Leaflet shape 3a) Leaflets taper to pointed tips 3b) Oval leaflets with rounded tips 4. Arrangement of leaf veins 4a) Veins branch out from one central pointgo to step 5 4b) Veins branch off main vein in the middle of the leaf.....go to step 6 Overall shape of leaf 5a) Leaf is heart-shaped.......Cercis (redbud) 5b) Leaf is star-shapedLiquidambar (sweet gum) 6. Appearance of leaf edge 6a) Leaf has toothed (jagged) edgeBetula (birch) 6b) Leaf has untoothed (smooth) edgeMagnolia (magnolia)

20. USE THE DICHOTOMOUS KEY BELOW TO CLASSIFY THIS LEAF

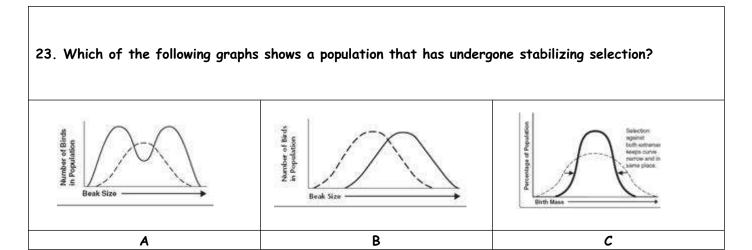


EVOLUTION Chapters 15, 16, 17

- 21. ALL of the following support Darwin's Theory of Evolution EXCEPT _____
 - A. similarities between a whale flipper and a bat wing
 - B. telomeres in the middle of human chromosome #2
 - C. loss of the ability to make vitamin C in humans and other primates
 - D. fossil record
 - E. development of antibiotic resistant bacteria
 - F. Inheritance of acquired traits

- 22. When Darwin returned from his voyage, he _____
 - A. immediately published his ideas about evolution
 - B. wrote about his ideas but waited many years to publish them
 - C. realized his ideas about evolution were wrong
 - D. copied the evolutionary theory of Wallace

EVOLUTION OF POPULATIONS CHAPTER 16 & 17-4



- 24. A bell curve is typically seen in a graph of phenotypes for a _____ trait
- 25. Name the 5 conditions required to maintain genetic equilibrium under the HARDY-WEINBERG PRINCIPLE.

ANSWERS:

- 1. Glucose
- 2. thylakoid
- 3. oxygen
- 4. H+
- 5. C. glycolysis \rightarrow Krebs cycle \rightarrow Electron Transport
- 6. A glucose molecule is broken down into 2 pyruvic acid molecules
- 7. oxygen
- 8. D. mitochondrial matrix
- 9. producer (autotroph)
- 10. denitrification
- 11. carbon cycle
- 12. humans get their nitrogen from food
- 13. D. hawk
- 14. Global warming
- 15. C. Ozone depletion
- 16. B. fertilizer and animal waste runoff
- 17. Panthera is the genus; leo is the species
- 18. chitin
- 19. Archaea
- 20. Betula (birch)
- 21. F, Inheritance of acquired traits
- 22. B. wrote about his ideas but waited many years to publish them 2.
- 23. C shows stabilizing selection
- 24. founder effect
- 25. No mutations

No natural selection

No migration in or out

Large population

Random mating