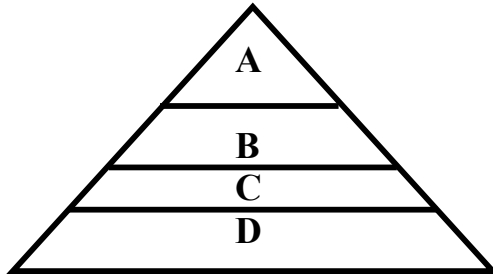


The following questions are based on the given diagram. Depending on the question or statement, the diagram may be referred to as an energy pyramid, a pyramid of biomass, or a pyramid of numbers (population). Write the letter that corresponds to the correct energy level on the right



- 1. _____
- 2. _____
- 3. _____
- 4. _____

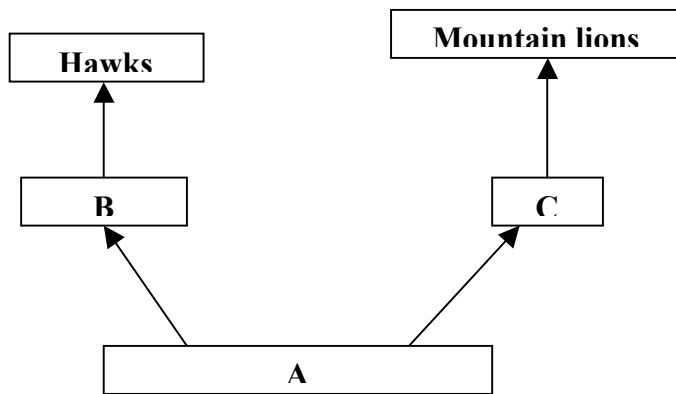
Energy questions:

- 1. Organisms that photosynthesize would most likely be found in energy level _____ 5. _____
- 2. _____ 6. _____
- 3. Herbivores are found in energy level _____.
- 4. Top carnivores will be found in energy level _____.
- 5. Primary producers will be found in energy level _____.
- 6. Secondary (or 2nd order) consumers will be found in energy level _____.
- 7. _____ 8. _____
- 8. Top carnivores on which no other organisms prey (i.e. hawks, lions, sharks, etc) will be found in _____.
- 9. _____
- 7. Mice belong in energy level _____.
- 8. Plants belong in energy level _____.
- 10. _____

Biomass and Numbers questions:

- 9. The greatest biomass will be found in level _____.
- 10. The smallest numbers of organisms will be found in level _____.
- 11. The smallest biomass will be found in level _____.
- 12. The largest numbers of organisms will be found in level _____.
- 13. _____

Use the given food web to answer the following questions:

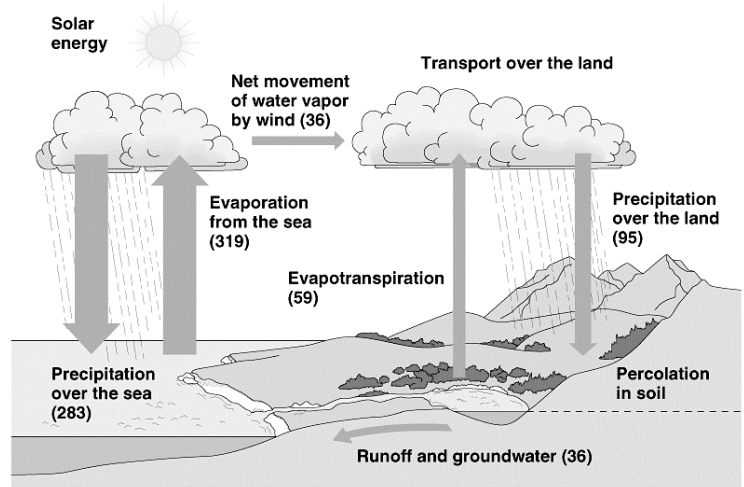


- 14. _____
- 15. _____

- 13. Marsh plants would be found in _____.
- 14. Name an animal that would fit into "B".
- 15. Name an animal that would fit into "C"

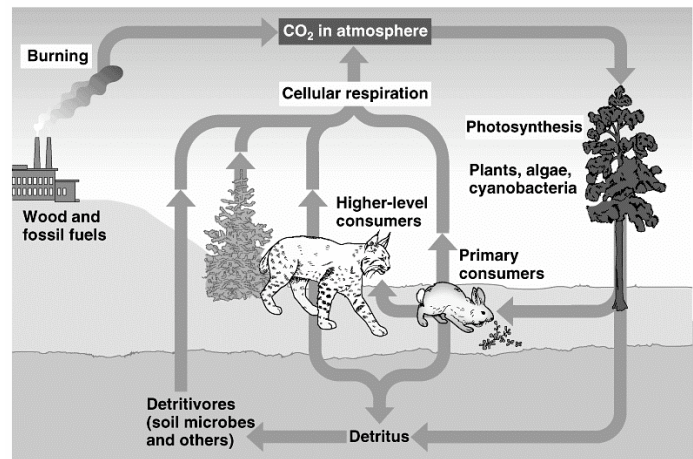
Study the diagrams at the right and then answer the following questions. Place your answers on the appropriate line at the bottom of this page

16. The energy involved in evaporating water from oceans and lakes is _____
17. Water comes back into the ocean from the land through _____.
18. In the atmosphere water condenses into cloud droplets. When it falls back to earth (rain, snow, hail) it is called ____.



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19. Human beings add to the CO₂ content of the atmosphere by _____.
20. Explain how consumers add to the CO₂ level in the atmosphere.
21. Explain how detritus feeders add to the CO₂ level in the atmosphere.
22. Explain how plants and other primary producers remove CO₂ from the atmosphere.



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Answers:

16. _____ 17. _____ 18. _____ 19. _____

20. _____

21. _____

22. _____