

NAME: _____
CODE: _____ DATE: _____

Non-linear texts

Non-linear texts (plates, diagrams, charts, tables, etc) are valuable sources of information in scientific and technical texts. They explain ideas. Sometimes it is easier to understand an idea by going from the linear to the non-linear text and viceversa. These types of displays appear in many textbooks to provide information or to summarize, clarify or illustrate information discussed in the books.

ACTIVITY

Answer in Spanish according to the reading: “*The Requirements of Human Nutrition*”

1. Which of these animals synthesize vitamin C in the liver (**L**), the kidney (**K**), or are unable (**U**) to do it?:
Alligator__ Bat__ Hare__ Man__ Ostrich__ Shark__ Toad__ Wasp__
2. How are nitrogen-balance values determined?
3. What is your minimum protein requirement?
4. Where do the 3 major stages of metabolism occur?
5. Classify these molecules according to the stage they are produced or degraded at: ADP – Pyruvate - Glycerol – Carbon dioxide – Valine – Sugar
6. Why adults need less protein intake than children?
7. What was the percent of students excreting less than 40 mg/Kg/dy and what was the mean excretion of urinary nitrogen for each group studied? (MIT vs Taiwan)
8. Explain how Iron is transported in several steps from foods to tissues
9. What are the essential aminoacids? What happens if any of them is missing in a meal?
10. What are the amounts (percent) of methionine and lysine in beans and wheat?
11. What are the Net Protein Utilization (NPU) values?
12. What is the best food in terms of NPU?
13. What does a molecule of glucose oxidation bring about?
14. How is the standard deviation calculated?
15. Classify these vitamins as fat-soluble (**F**) or water-soluble (**W**):
Retinol__ Biotin__ Niacin__ Tocopherol__ Thiamine__
16. The deficiency of some vitamins causes blood disorders. Which are they?
17. Why the dietary **protein** need is small in relation to turnover?
18. What does the body need to stay in metabolic equilibrium?
19. What do X rays cause in Neurospora?
20. Why some animals are unable to synthesize vitamin C?
21. What is **phenylketonuria**?
22. Give two examples of mixtures of complementary proteins
23. Among animal and vegetable foods what are better sources of Iron? Why?
24. Give 2 reasons against a strict vegetarian diet
25. What is **hemochromatosis**?