

1. Energy and Matter flow through trophic levels and biomes. What is a TROPHIC LEVEL? _____

What is a BIOME? _____

2. Why do we use the term CYCLES (Law of Conservation of Matter and Energy)? _____

3. Name the three CYCLES we will study in this unit. _____,
_____, _____.

4. List three reasons why WATER is important. _____

5. Name and explain the FOUR steps to the WATER CYCLE

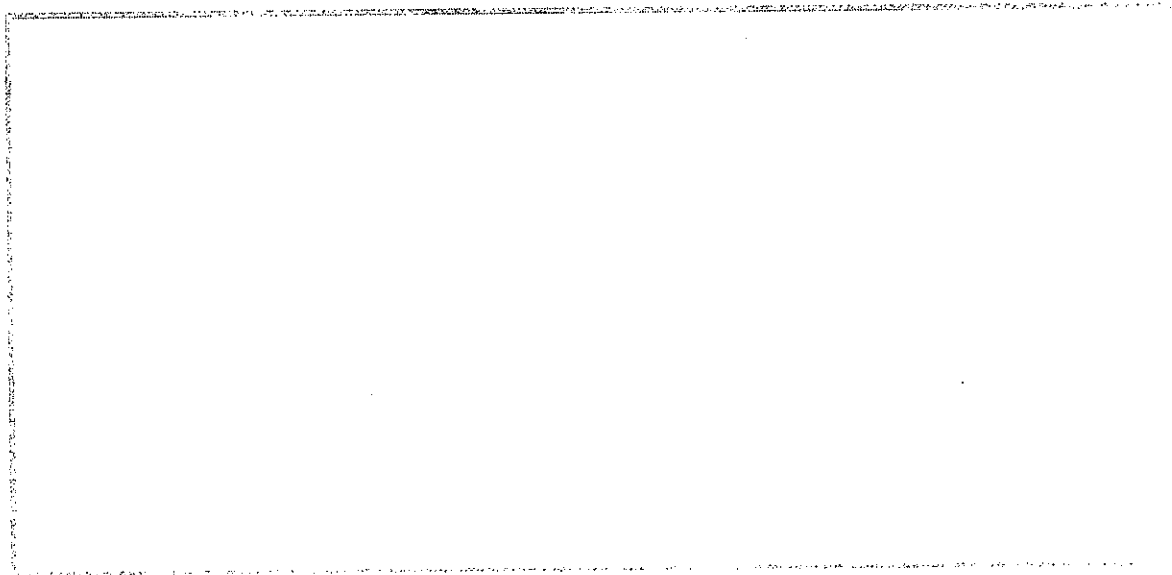
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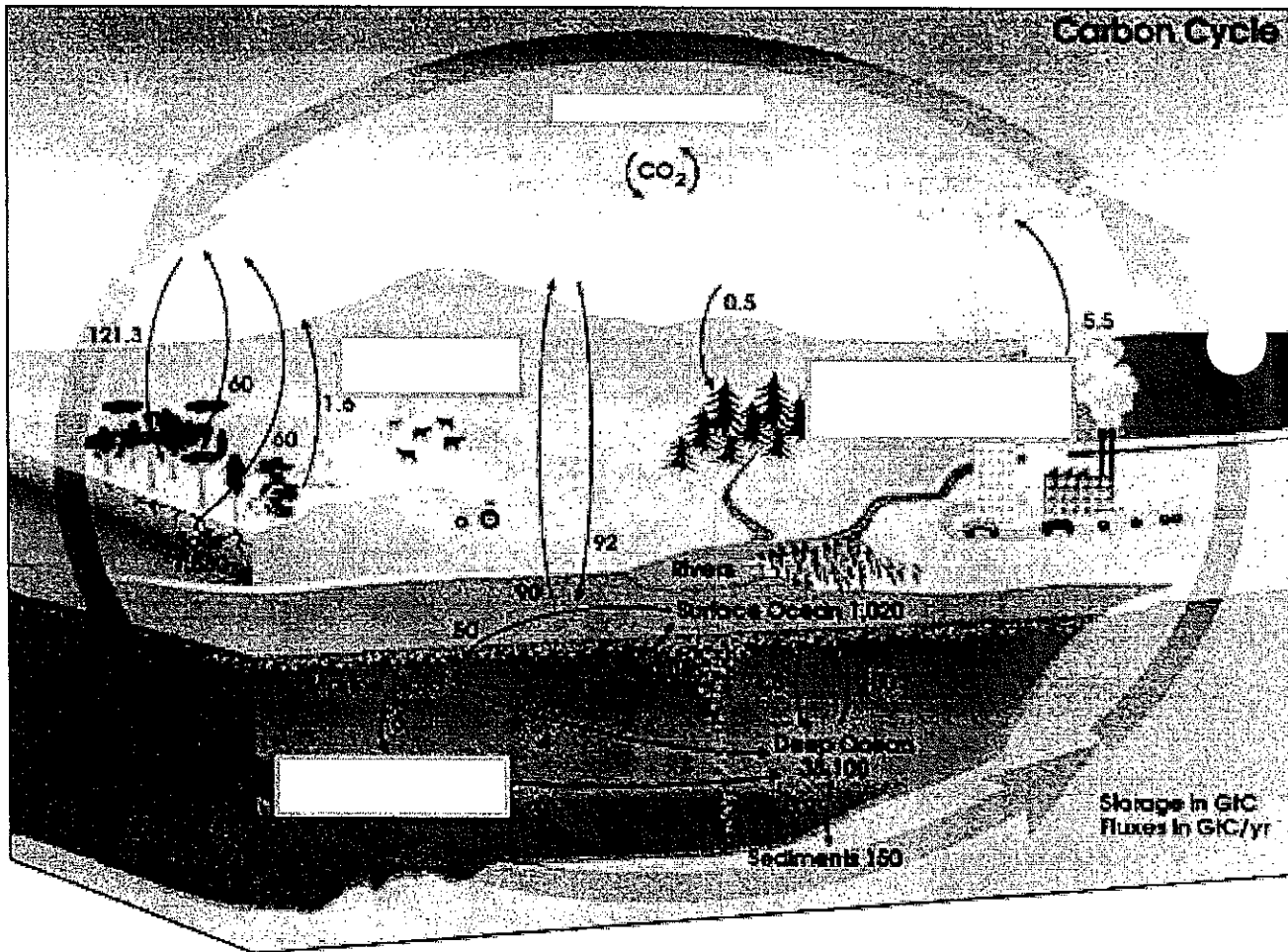
6. Draw the diagram of the WATER CYCLE below:



7. Where is the CARBON in our Environment?

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

8. Label the Carbon Cycle below.



9. Nitrogen makes up about _____ of our atmosphere. It's chemical formula is _____.

10. It is not "usable" to humans in this form but can be changed by _____

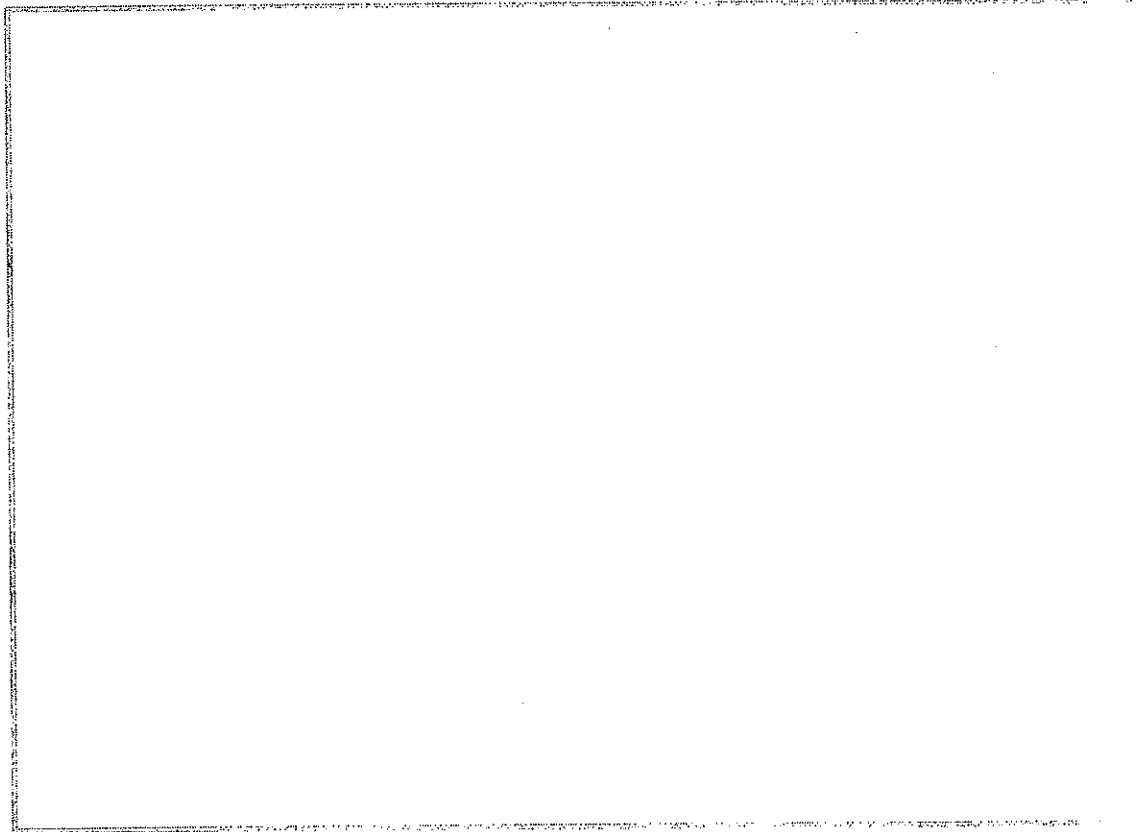
and certain _____ which will convert it into a usable form.

11. How do plants use Nitrogen? _____

12. How herbivores use Nitrogen? _____

13. Give evidence as to how animals, plants, and bacteria contribute Nitrogen to the Environment?

14. Draw the NITROGEN CYCLE below:



15. Infer from the information above how humans and animals acquire the nitrogen which is important for building proteins and DNA for new cells.
