

The Phosphorous Cycle

Look at your phosphorous cycle your Data Pages & pages 83-87 to answer the following fill in the blanks & following questions.

Phosphorus is an _____ in the molecule that carries _____ to plant cells & animal cells. In plants, phosphorus contributes to _____, _____, and _____. In humans a large amount of phosphorus is found in _____.

Phosphorus is not stored _____. Instead it is _____ that makes up _____ and the _____.

_____ is the process of breaking down rock into smaller fragments.

Only through _____ will phosphorus be made available to the biotic community. Geologic uplift refers to _____.

1. What releases phosphate in the soil?
2. What is chemical weathering? What are some examples of this process?
3. What is physical weathering?

Look at the Phosphorus Cycle Diagram in your Data Pages to answer the following questions.

4. What do the numbers in the ovals represent?
5. a. How much phosphorus is stored in terrestrial organisms?
b. How do decomposers contribute to phosphate levels?
c. List 2 other ways that phosphate can enter the soil.