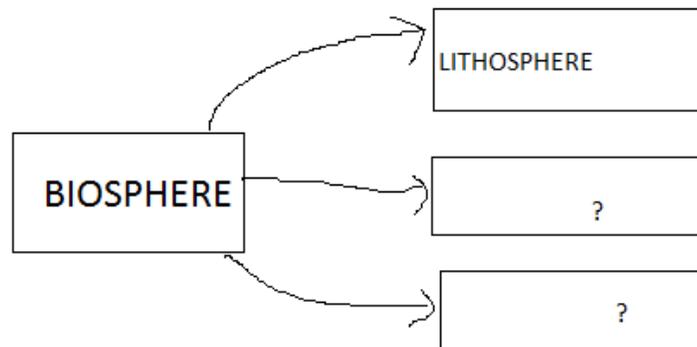
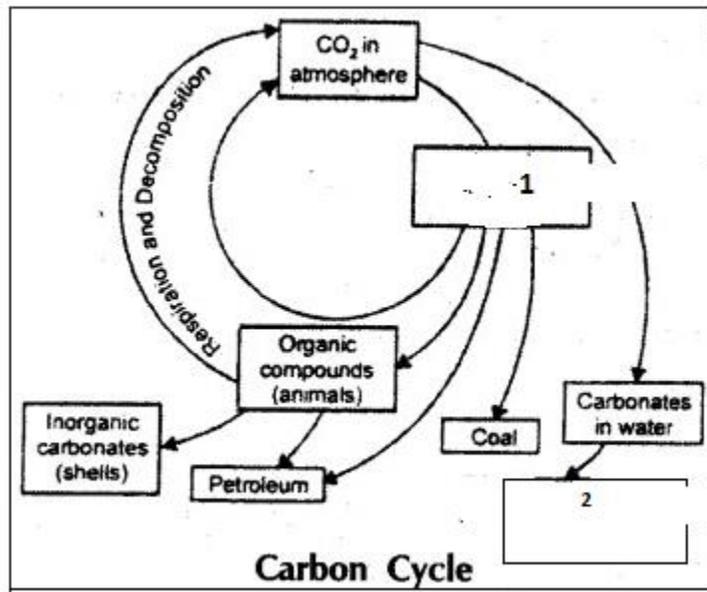


1. **Answer these questions in one or two lines.**
 - (a) Which tissue is responsible for movement in our body?
 - (b) How does carbon dioxide or oxygen move across the cell membrane?
2. **Answer these questions.**
 - (a) How does fluid connective tissue differ from other connective tissues?
 - (b) Define Plasmolysis. How does it occur?
 - (c) Write one function each of the following.
 Adipose tissue B) Sclerenchyma
 - (d) Give one important functional difference amongst the muscle tissues and draw a labeled diagram of the muscle tissue which never shows fatigue.
 - (e) What is the main biological process that consumes carbon dioxide?
 - (f) What is ozone hole? What is its cause?
 - (g) What is the importance of nitrogen?
3. What is the difference between nitrification and denitrification?
4. Define pollutants? Give examples of different types of the air pollutants.
5. Give the important role played by the dust and other suspended particles in the air with respect to rain drop formation.
6. Complete the boxes with appropriate natural resources and define the zone that comprises of all the three forms of life.



7. Give reason for ,
 1. It is difficult to pull out the husk of a coconut tree
 2. Branches of a tree move and bend in high wind velocity
 3. Why does the skin of your finger shrink when you wash clothes for a long time?
8. Differentiate between rough and smooth endoplasmic reticulum. How is endoplasmic reticulum important for membrane biogenesis?
9. Complete the missing links in the **CARBON** cycle:



10. (a) Name the cell organelle which is known as packaging and dispatching unit of the cell?
- (b) If the organization of a cell is destroyed due to some physical or chemical influence, what will happen?