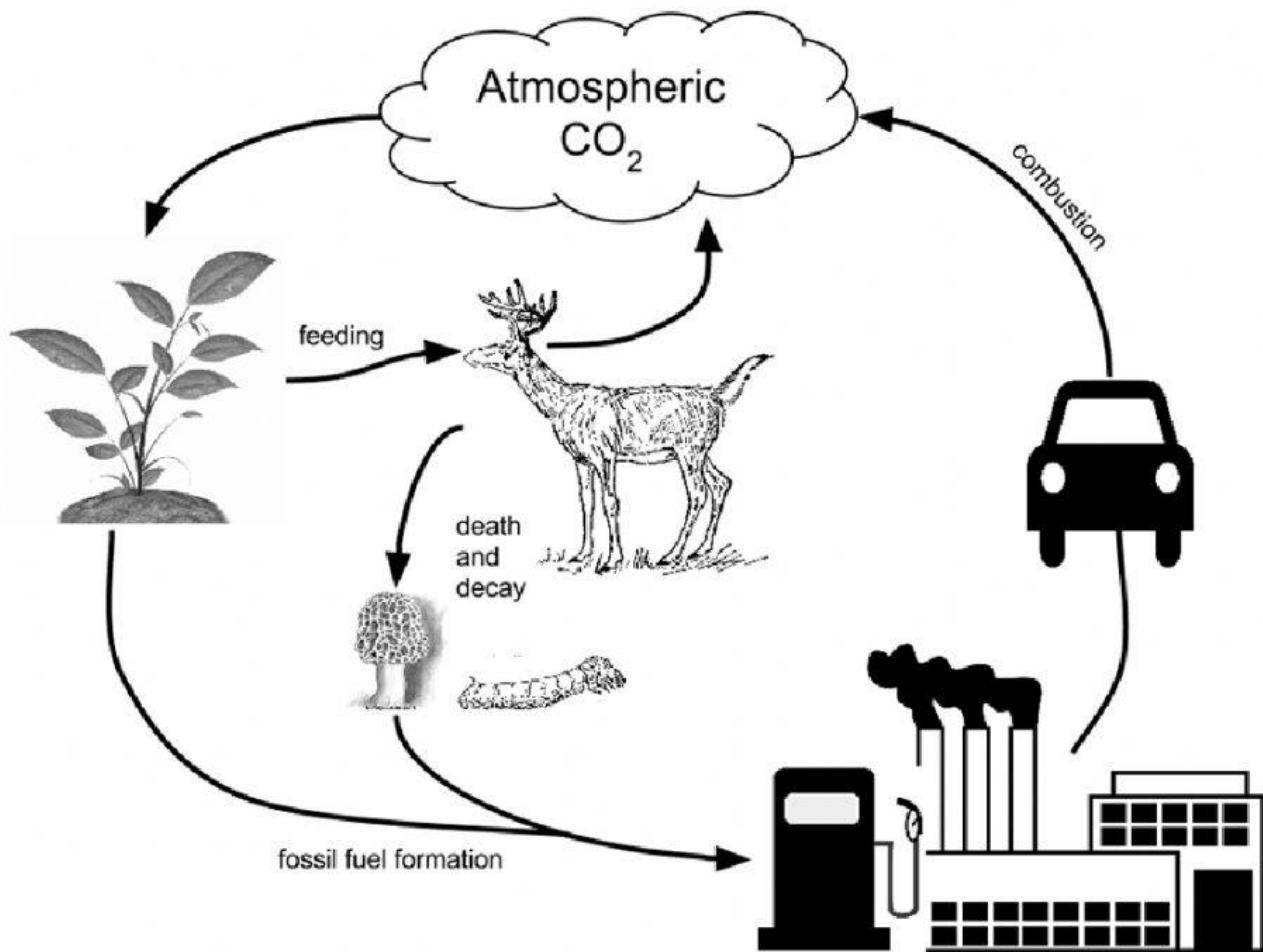


The Carbon Cycle



1. The model is missing two labels. Locate where each of the following processes are being illustrated and label them on the diagram. Write a short description of the processes.

Cellular Respiration:

Photosynthesis:

2. Fossil fuels are formed in the geological past from the remains of living organisms. Petroleum products, such as coal and natural gas are considered fossil fuels. Why are these types of fuels considered **NONrenewable**?

3. When animal and plants die, microorganisms, fungi and insects are responsible for decomposition. These organisms also respire. Show an arrow on the diagram to indicate respiration by decomposers.

4. Large areas of land are being developed. In the process thousands of trees are being removed and burned. How would this affect the cycle?

5. What activities can increase the amount of atmospheric CO₂?
6. How could we decrease the amount of atmospheric CO₂?
7. How does the diagram illustrate the relationship between respiration and photosynthesis? Explain this relationship.