

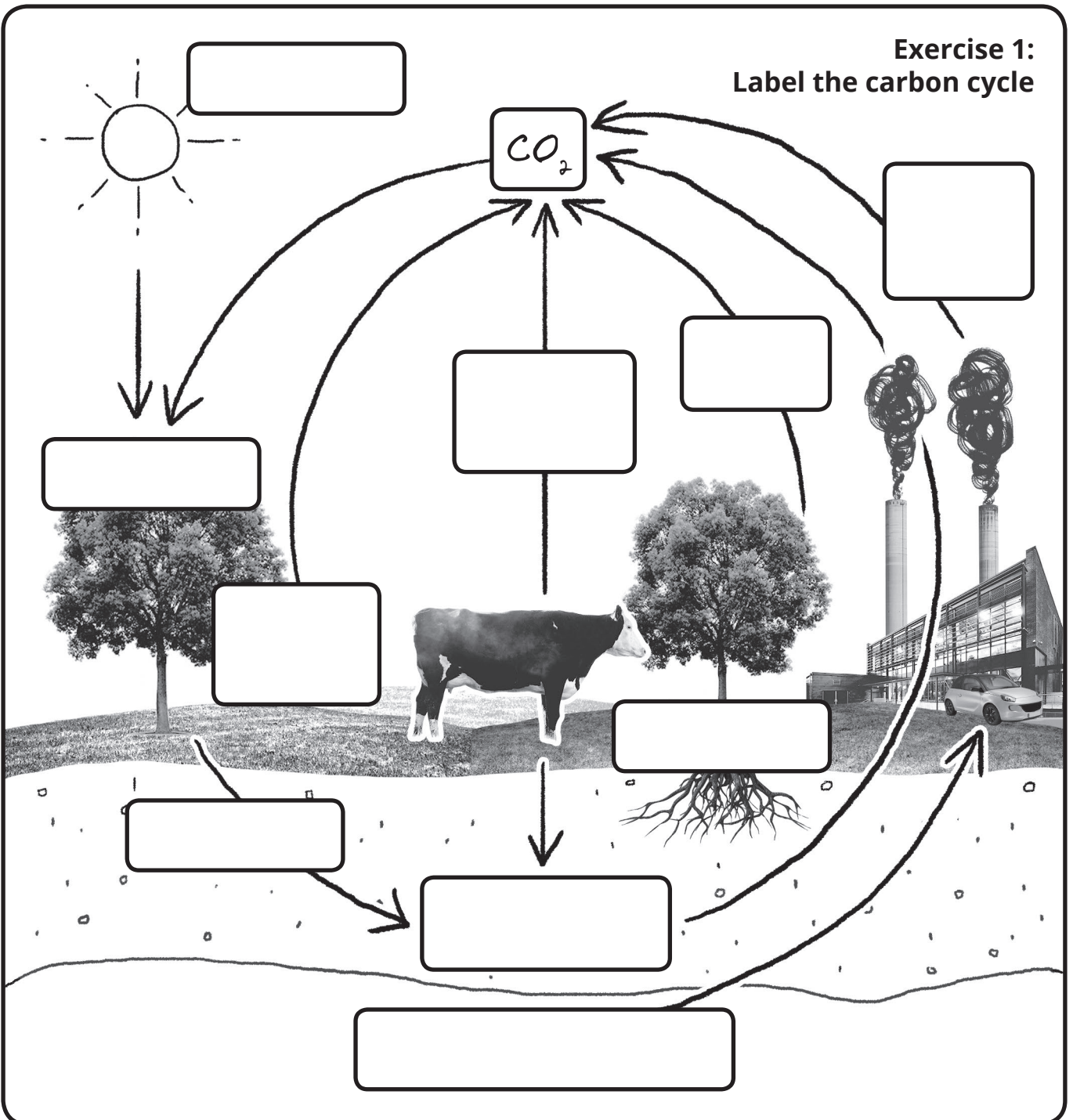
The Carbon Cycle



The **carbon cycle** is the process in which **carbon** travels from the atmosphere into organisms and the Earth and then back into the atmosphere.

Test your knowledge of the carbon cycle by completing the two exercises below.

Exercise 1: Label the carbon cycle



Key: Sunlight | Photosynthesis | Decaying organisms | Dead organisms | Factory and vehicle emissions | Root respiration | Animal respiration | Fossil fuels | Plant respiration

The Carbon Cycle

Exercise 2:

Fill in the blanks using the words below to complete the carbon cycle.

Producers | Photosynthesis | Combustion | Fossil Fuel | Decomposers | Carbon Dioxide | Respiration

1. Carbon enters the atmosphere as carbon dioxide from _____
and _____.

2. Carbon dioxide is absorbed by _____ to make glucose in _____.

3. Animals feed on the plant passing the carbon compounds along the food chain. Most of the carbon they consume is exhaled as _____ that was formed during respiration.
The animals and plants eventually die.

4. _____ break down the dead organisms and return the carbon in their bodies to the atmosphere as carbon dioxide by respiration. In some conditions, decomposition is blocked and plant and animal material may then be available as _____ in the future for combustion.