

SECTION 4 Questions 31–40

Complete the notes below.

Write **ONE WORD ONLY** for each answer.

The use of soil to reduce carbon dioxide (CO₂) in the atmosphere

Rattan Lal:

- Claims that 13% of CO₂ in the atmosphere could be absorbed by agricultural soils
- Erosion is more likely in soil that is **31**
- Lai found soil in Africa that was very **32**
- It was suggested that carbon from soil was entering the atmosphere

Soil and carbon:

- plants turn CO₂ from the air into carbon-based substances such as **33**
- some CO₂ moves from the **34** of plants to microbes in the soil
- carbon was lost from the soil when agriculture was invented

Regenerative agriculture:

- uses established practices to make sure soil remains fertile and **35**
- e.g. through year-round planting and increasing the **36** of plants that are grown

California study:

- taking place on a big **37** farm
- uses compost made from waste from agriculture and **38**

Australia study:

- aims to increase soil carbon by using **39** that are always green

Future developments may include:

- reducing the amount of fertilizer used in farming
- giving farmers **40** for carbon storage, as well as their produce