



WEEKLY HOME STUDY PACKAGE - WEEK 5 (02/08/21 – 06/08/21)

Subject	AGRICULTURAL SCIENCE	Year/Level	10
Strand	AS 10.3 Agronomy		
Sub-strand	AS 10.3.1 Soils		
Content Learning Outcome	Discuss cultivation practices towards soil sustainability.		

SOLUTION

1. Define strip cropping. (1 mark)

It is a farming practice whereby small strips of land can be left uncultivated between the cropped areas, to retard the water run-off.

or

It is the growing of a cultivated crop (as corn) in strips alternating with strips of a sod-forming crop (as hay) arranged to follow an approximate contour of the land and minimize erosion.

2. Explain the importance of strip cropping. (2 marks)

Strip cropping helps to stop soil erosion by creating natural dams for water, helping to preserve the strength of the soil.

or

Like cover cropping, strip cropping is done to reduce surface water run-off and maintain soil fertility.

3. Briefly explain how strip cropping maintains soil fertility. (2 marks)

The strong strips of soil in strip cropping slow down water from moving through the soil. This maintains the fertility of soil much longer. In weaker soil, absence of strips would allow the water to wash away soil therefore reducing fertility.

4. Draw a diagram showing how strip cropping helps minimise soil erosion (2 marks)

Strip cropping is a method of farming which involves cultivating a field partitioned into long, narrow strips which are alternated in a crop rotation system. It is used when a slope is too steep or when there is no alternative method of preventing soil erosion

