



Caring for the environment comprehension – Solutions

1. Answers may include: biodiversity, healthy soil, vegetation, water, energy, emissions.
2. Teacher check.
3. Answers may include:
 - Researching to find out more about sustainable land management practices.
 - Dedicating areas of their property to revegetation and fencing them.
 - Planting tree belts to provide shelter.
 - Planting and encouraging growth of natural vegetation.
 - Fencing off waterways.
 - Working with others to share ideas and support each other.
4. Healthy soil is essential as it produces high-quality crops (more nutritious food for the animals).
5. On the farm, water is mainly used for animal drinking water.
6. Answers may include: powering the homestead, pumping water, running machinery, processing grain or feed.
7. The main cause of emissions is from methane produced by the natural digestion process of cattle, sheep and goats. These animals are called Ruminant.
8.
 - a. Like agriculture and all human activity, raising cattle, sheep and goats has an impact on the **environment**.
 - b. **Biodiversity** is the variety of all living things (plants, animals and micro-organisms) and the **ecosystems** they form.
 - c. Australia's cattle and sheep farms occupy around 50% of **agricultural** land used in Australia.