

**Plants- Storing and Preparing Food**  
**The Achiever's Sheet**

Think and answer: -

- What does it mean for a plant to "store food"? Provide examples of plant parts that store food.
- Explain how photosynthesis helps plants prepare their own food. What are the raw materials needed for photosynthesis?
- How do desert plants, like cacti, store food differently from plants in rainforests? Explain how their adaptations help them survive in their respective environments.
- Describe how deciduous trees prepare for winter. What adaptations do they have to survive when they cannot produce food through photosynthesis?
- Imagine a scenario where a plant's ability to store food is affected by environmental changes. How might this impact the plant's growth and survival?
- How can humans help preserve the food stored in plants for longer periods? Provide two methods and explain how each method works.
- Explain how the availability of food (plants) affects the populations of herbivores and carnivores in an ecosystem.
- How do humans impact the interdependence of plants and animals for food? Provide examples of how agricultural practices can affect both plants and animals.
- How can the decline in one species (either plant or animal) due to habitat loss affect other species in the same ecosystem that depend on it for food?
- How does the loss of biodiversity (variety of plants and animals) impact the availability of food resources for humans worldwide?