

What Living Things Need to Thrive

Class 4 • Science • Worksheet (illustrative sample)

Worksheet for Class 4 Science: What Living Things Need to Thrive.

Questions

1. Name five essential requirements for any living organism to thrive.
2. What are primary producers in a food chain?
3. Differentiate between herbivores, carnivores, and omnivores.
4. Give an example of a simple three-step terrestrial food chain.
5. Why can a polar bear not thrive in a hot desert environment?
6. What is the function of decomposers in nature?
7. What gas do plants take in for photosynthesis, and what gas do they release?
8. What happens to a food chain if all green plants are destroyed?

Answer Key

1. Air (oxygen), water, food/nutrients, shelter, and suitable warmth/temperature.
2. Green plants that produce food energy through photosynthesis.
3. Herbivores eat plants; carnivores eat animal meat; omnivores eat both plants and meat.
4. Grass (Producer) -> Grasshopper (Herbivore) -> Frog (Carnivore) (or Grass -> Deer -> Lion).
5. Polar bears have thick blubber and dense fur adapted for freezing Arctic cold; they would overheat and starve in a desert.
6. They break down dead organisms and replenish soil nutrients.
7. Take in carbon dioxide; release oxygen.
8. Herbivores would starve, carnivores would have no prey, and the entire food web would collapse.

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