

# INTERMEDIATE SCIENCE 7

## UNIT 1: Interactions Within Ecosystems

### Study Guide for Test 1



#### Know the following terms:

Living	Non-living	Ecosystem
Biotic	Abiotic	Organism
Species	Population	Community
Habitat	Niche	Range of Tolerance
Photosynthesis	Producer	Consumer
Decomposer	Food Chain	Food Web
Carnivore	Omnivore	Herbivore

#### Know the following questions:

1. identify the characteristics of a living thing
2. identify examples of ecosystems within Newfoundland and Labrador, including:
  - (i) coastline
  - (ii) ocean
  - (iii) freshwater
  - (iv) arctic
  - (v) forest
3. describe the following abiotic factors of local ecosystems
  - (i) intensity of sunlight
  - (ii) air, soil and water temperature
  - (iii) wind direction and speed
4. classify organisms as producers, consumers, or decomposers
5. identify the niche of producers, consumers, and decomposers in a local ecosystem
6. describe how energy is supplied to, and how it flows through, a food chain
7. recognize that producers use light energy, carbon dioxide, and water (photosynthesis) to produce energy for the ecosystem
8. construct simple food chains using local examples
9. classify the organisms within food chains as producers, herbivores, and carnivores

10. interpret food webs using organisms from local ecosystem
11. describe how energy flows through a food chain and food web
12. recognize that energy flows through food chains and food webs from producers to herbivores to carnivores/omnivores as well as to decomposers

