

Bio3_Ecology.pdf

Page 1 – Ecology Basics

1. Define food web.
2. What is a population?
3. Define ecosystem.
4. What is a community?
5. What is a habitat?
6. What is a niche?
7. Define biodiversity.
8. What is a producer?
9. What is a consumer?
10. What is a decomposer?

Page 2 – Energy Flow

1. What is photosynthesis?
2. What is a trophic level?
3. What is a food chain?
4. What is primary productivity?
5. What is a primary consumer?
6. What is a secondary consumer?
7. What is a tertiary consumer?

8. What is an apex predator?
9. What is ecological efficiency?
10. What is biomagnification?

Page 3 – Biomes

1. What is a desert biome?
2. What is a tundra biome?
3. Describe a rainforest biome.
4. What is a grassland biome?
5. What is a temperate forest?
6. What is an aquatic biome?
7. What is an estuary?
8. Define wetland.
9. What is permafrost?
10. Name two animals in the savanna.

Page 4 – Population Dynamics

1. What is carrying capacity?
2. Define limiting factor.
3. What is exponential growth?
4. What is logistic growth?
5. What is population density?
6. What is immigration?

7. What is emigration?
8. What is birth rate?
9. What is death rate?
10. What is a survivorship curve?

Page 5 – Cycles in Nature

1. What is the water cycle?
2. What is transpiration?
3. What is condensation?
4. What is precipitation?
5. What is the carbon cycle?
6. What is the nitrogen cycle?
7. What is nitrogen fixation?
8. What is denitrification?
9. What is the phosphorus cycle?
10. What is decomposition?

Page 6 – Human Impact

1. What is deforestation?
2. What is climate change?
3. What is acid rain?
4. What is pollution?
5. What is a greenhouse gas?

6. What is ozone depletion?
7. What is sustainability?
8. What is conservation?
9. What is overfishing?
10. What is invasive species?

Page 7 – Evolution & Natural Selection

1. What is evolution?
2. What is natural selection?
3. Who was Charles Darwin?
4. What is adaptation?
5. What is fitness in biology?
6. What is a mutation?
7. What is speciation?
8. What is genetic drift?
9. What is gene flow?
10. What is the fossil record?

Page 8 – Relationships & Symbiosis

1. What is mutualism?
2. What is commensalism?
3. What is parasitism?
4. What is predation?

5. What is competition?
6. What is an invasive species?
7. What is succession?
8. What is pioneer species?
9. What is climax community?
10. What is keystone species?

Page 9 – Conservation & Biodiversity

1. What is biodiversity?
2. What is an endangered species?
3. What is a threatened species?
4. What is habitat fragmentation?
5. What is reforestation?
6. What is an ecological reserve?
7. What is captive breeding?
8. What is restoration ecology?
9. What is a wildlife corridor?
10. What is ecological footprint?

Page 10 – Review & Ecology Challenge

1. Name three greenhouse gases.
2. What is ecological succession?
3. Name a biotic factor and an abiotic factor.

4. What is a limiting nutrient?
5. What is eutrophication?
6. What is the main cause of habitat loss?
7. How can recycling help the environment?
8. Name a method to reduce carbon emissions.
9. What is ecological restoration?
10. What is the role of decomposers in ecosystems?