



# Energy in Ecosystems

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 5

## Part A: Multiple Choice

Circle the best answer for each question.

1. Which human action removes homes for many Grade 5 ecosystem animals?

- A) Clearing forests for farms and cities
- B) Planting more native trees
- C) Setting up wildlife reserves
- D) Cleaning trash from rivers

2. What is an invasive species?

- A) A non-native species that harms local food webs
- B) Any animal born in a forest
- C) A plant that only grows in deserts
- D) A predator that lives in zoos

3. How does water pollution affect a pond food web?

- A) It can poison producers and harm consumers up the chain
- B) It always makes more fish appear
- C) It turns ponds into deserts overnight
- D) It only affects birds in the sky

4. Which action best protects food-web biodiversity?

- A) Creating protected parks and wildlife reserves
- B) Filling wetlands with concrete
- C) Releasing pet snakes into local forests
- D) Dumping factory waste into streams

## Part B: Fill in the Blank

Write the correct answer on each line.

1. When people cut forests for cities, this is called habitat \_\_\_\_\_ .
2. Chemicals from factories that harm rivers are a form of \_\_\_\_\_ .
3. A non-native species that harms local food webs is called \_\_\_\_\_ .
4. The variety of species in an ecosystem is called \_\_\_\_\_ .
5. When food webs lose species and stop balancing, they fall out of \_\_\_\_\_ .

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**Part B: Fill in the Blank**

Write the correct answer on each line.

1. When people cut forests for cities, this is called habitat destruction .
2. Chemicals from factories that harm rivers are a form of pollution .
3. A non-native species that harms local food webs is called invasive .
4. The variety of species in an ecosystem is called biodiversity .
5. When food webs lose species and stop balancing, they fall out of equilibrium .