



QUIZ 1 – Memorandum

Ecosystems and Food Webs

1. Explain in your own words what an ecosystem is.

(2)

An Ecosystem is an area where living and non-living things depend on each other in many different ways.

An ecosystem can survive on its own without help or products from other sources.

2. Name 3 types of ecosystem and list:

- * 2 plants
- * 2 animals
- * 3 non-living things found in this ecosystem

(10)

- 2.1. Sea ecosystem

- * 2 plants – seaweed and coral
- * 2 animals – whales and tuna
- * 3 non-living things found in this ecosystem – water, salt, shells (sunlight in the top part of the sea), sea sand

- 2.2. Freshwater ecosystem

- * 2 plants – water lilies, ferns
- * 2 animals – frogs and water snakes (and hippos)
- * 3 non-living things found in this ecosystem – water, sand & stones & rocks, sunlight, gasses (like oxygen) in the water

- 2.3. Forest ecosystem

- * 2 plants – yellowwood tree and forest ferns
- * 2 animals – rabbits and squirrels and buck and monkeys
- * 3 non-living things found in this ecosystem – soils, rain and river water, sunlight, dead wood (fallen trees)

3. Fill in the missing words:

(5)

sunlight living habitat water non-living

- 3.1. In every healthy ecosystem there is a relationship between ...living and ..non-living things.
- 3.2. In every ecosystem a change in the .. habitat..... will cause a change to all living and non-living things.
- 3.3. Sunlight and water are examples of non-living things found in an ecosystem

4. True or False. If the statement is false, provide the correct answer.

(7)

- 4.1. The plants in an ecosystem are called the “Consumers”.

False. Plants are called producers.

- 4.2. Herbivores are animals that only eat meat products.

False. Herbivores eat only plants and plant products.

- 4.3. A vegetarian is a human carnivore.

False. A vegetarian is a human herbivore.

- 4.4. When we join many different food chains in an ecosystem together, we get a food web.

True

5. Fill in the missing words:

(3)

Mice and other herbivores that eat plants are called primary consumers. The primary consumers are eaten by secondary consumers. Tertiary consumers eat primary or secondary consumers.

6. What do we call the micro-organisms that break down dead plant and animal material to return the nutrients to the soil?

(1)

Decomposers.

7. Why do you think the feeding relationships between plants and animals in an ecosystem are called a food web?

(2)

A food web consists of many thousands and thousands of food chains that are connected to each other.

[TOTAL: 30]