Exam for Unit 4: Ecosystems and Living Things

1. What is an ecosystem? Explain in your own words.

_____

_____

2. Click the 4 things that make up parts of an ecosystem.

trees	producers	habitats	fungi	bacteria
populations	individuals	vertebrates	communities	

3. a) What do we use to show the direct connections between living things in an ecosystem?

   b) What do we use to show the complex connections between ALL organisms in an ecosystem?

   d) Which one has three levels?

4. a) Read the characteristics and choose the correct type of ecosystem.

i) This ecosystem can contain many types of trees. It can be temperate, tropical or Mediterranean.

ii) This ecosystem is very dry. It is hot in the day and cold at night.

iii) This ecosystem is covered with grass.

iv) 71% of Earth is covered in this type of ecosystem.

v) This ecosystem is very dry and cold. Animals are usually white.

vi) This type of ecosystem is not natural, it is created by humans.

LIVEWORKSHEETS

b) Now, give 2 examples of organisms (1 plant + 1 animal) we can find in each of these ecosystems:

Ecosystem:	***Plant***:	***Animal***:
Forest/Bosque	_____	_____
Savannah	_____	_____
Desert	_____	_____
Tundra	_____	_____
Marine	_____	_____
Freshwater/Agua dulce	_____	_____

5. Move the organisms into the correct order to make 2 basic food chains. Some organisms have been put in place for you.

squirrel	butterfly	hawk	flower	acorn	fly	toucan
ardilla	*mariposa*	*halcon*	*flor*	*bellota*	*mosca*	*tucán*

	Mediterranean forest	Tropical rainforest
PRODUCER		
PRIMARY CONSUMER		
SECONDARY CONSUMER	serpent	
TERTIARY CONSUMER		boa constrictor
DECOMPOSER	mushroom *(seta)*	

LIVEWORKSHEETS

6. Choose the correct vocabulary to go with the definition:

this type of organism eats other organisms for food

this type of organism does not have a nucleus in its cells

these organisms produce their own food through photosynthesis

these heterotrophic consumers only eat plants

these autotrophic organisms use sunlight, nutrients and gases to make energy

these organisms can be parasitic or consume dead organic material

this is the energy available in an ecosystem, represented as populations

this material is produced by plants and passed through food chains

7. Click the 6 components we find in BOTH animal *and* plant cells:

organelles	cytoplasm	cell wall	vacuole(s)	mitochondria
a nucleus	chloroplasts	chlorophyll	cell membrane	

8. Plant cells are a little different from animal cells. Complete these exercises about plant cells:

a) Choose the correct function of the CELL WALL:

b) What extra pieces do we find inside a plant cell? Choose:

i)

ii)

c) What process do plants do to make energy?

LIVEWORKSHEETS

9. All living things are made up of tiny pieces, all working together. Put these words in the correct order, from *smallest* to *BIGGEST*:

organism organ tissue cell organ system

_____ > _____ > _____ > _____ > _____

smallest *BIGGEST*

10. Write the names of the 5 Kingdoms of living things.

Name of Kingdom	***Organisms***
i) _____ Kingdom	*Bacteria*
ii) _____ Kingdom	*Amoebae*
iii) _____ Kingdom	*Mushroom*
iv) _____ Kingdom	*Pine tree*
v) _____ Kingdom	*Fish*

11. Which Kingdom are these organisms from? Choose.

i) *Bacteria*

ii) *Amoebae*

iii) *Mushroom*

iv) *Pine tree*

v) *Fish*

CHECK YOUR ANSWERS
LIVEWORKSHEETS