

## TOPIC 7-10 REVIEW ACTIVITIES BIOLOGY AND GEOLOGY 1º ESO

*Complete these activities and include them in your notebook so that they can be assessed in the next installment*

### UNIT 7-. ECOSYSTEMS

1. Define the ecosystem and points out the elements that make it up.

2. Sort the following concepts from most to least complex:

*Population – Ecosystem – Species – Community*

3. Point out the INTRASPECIFIC relationship for each of the following statements:

*colonial-state-gregarious-family*

- When individuals of the same species are related: .....
- Members of the same species move together: .....
- Individuals of the same species living in bond: .....
- There is hierarchy among the members of a species: .....

4. Point out the INTERSPECIFIC relationship for each of the statements:

*parasitism- competition- predation- mutualism- commensalism- tenantism- symbiosis*

- One species kills another to feed on it: .....
- One species harms another without killing it: .....
- Both species benefit: .....
- The two species cannot live separately: .....
- One species takes advantage of the food scraps of another: .....
- One species uses the other as habitat: .....
- Two species try to get their hands on the same resource: .....

5. Indicate whether the following statements are true or false. Correct the latter:

- a) The area with high pressure and absence of light corresponding to the ocean floor is called the bathyal.
- b) The most illuminated area of the marine ecosystem is photic.
- c) Wetlands are ecosystems of flowing inland waters.
- d) Producers transform inorganic matter into organic matter.
- e) Matter follows a flow while energy follows a cycle.

6. It indicates two plant adaptations to humidity and two plant adaptations to light. It indicates four adaptations of animals to temperature.
7. Take a look at the following image of the ground: on what horizon are the bedrock fragments? What about hummus?

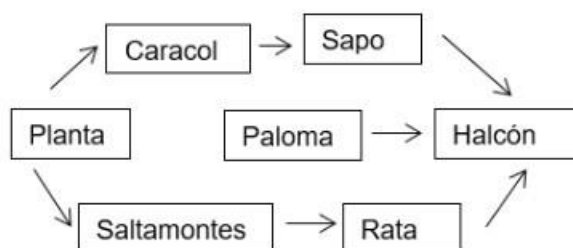


8. Each one distributes the following biomes in their corresponding zone:

**Tundra- Steppe- Mediterranean Forest- Rainforest- Polar Desert-  
Savannah- Hot Desert- Atlantic Forest- Taiga**

COLD ZONE	TEMPERATE ZONE	WARM ZONE
-	-	-
-	-	-
-	-	-

9. What living thing or living things could you not remove from the next food web if you don't want the ecosystem to be broken? Justify your answer.



10. Indicate whether the following characteristics correspond to the Atlantic Forest or the Mediterranean Forest:
- Among its main trees are the beech and chestnut trees
  - Its leaves are evergreen
  - Its soil is rich in nutrients
  - Features aromatic plants
  - The dehesas are modifications of this type of forest.

Atlantic Forest	Mediterranean forest

## TEMA 10- LA GEOSFERA

11. Write down the differences between the following concepts:

- a) Ore and gangue:
  
- b) Color of a mineral and streak of a mineral:
  
- c) Tenacity and Exfoliation:

12. Complete the classification of the rocks according to their origin.

ROCK FAMILIES	TYPES	EXAMPLES (ALL)
MAGMATIC OR IGNEOUS		
SEDIMENTARY		
METAMORPHIC		

13. Make a diagram showing the layers of the Earth's interior. Write down the name of each of them and the discontinuities.

14. Explain what the process of diagenesis or lithification consists of.

15. Correct the following statements.

- a) The conglomerate is a non-detrital sedimentary rock with a grain greater than 2 mm.
- b) Sandstone is a detrital sedimentary rock that produces effervescence in the presence of acids.
- c) All sedimentary rocks are made up of minerals.
- d) The clay has grains of less than 2 mm size but observable to the naked eye.

16. Enter the name of the process or processes indicated:

- a) It transforms a magma into igneous rock.
- b) It transforms igneous rock into sediment.
- c) It transforms a sedimentary rock into a metamorphic one.
- d) Transform a metamorphic rock into magma.

17. Which rocks are used as fossil fuels?

18. Defines mine and indicates the types of mines existing in the extraction of rocks and minerals.

19. Indicate which mineral corresponds to each ore:

- a) Bauxite:
- b) Cassiterite:
- c) Galena:
- d) Hematites:
- e) Chalcopyrite
- f) Cinnabar
- g) Blende:

20. Point out the characteristics of any mineral.

- .....
- .....
- .....
- .....
- .....