

## Ministry of Education, Culture, Sport and Youth

Question Paper of Biology for

**Students with a Migrant Background**

# Student Details

Full Name: ………………………………………….

# Age: …………………………………………

# Country of Origin: …………………………………………

# School Name: …………………………………………

# Grade: ……………

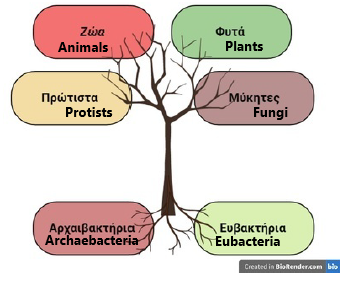
Class: …………..

Date: …………………………

## Duration: 60 minutes

**INSTRUCTIONS:**

* Answer all the questions.
* All questions are equally marked.
* Circle the correct answer.

For **questions 1-4** see the picture depicting the Kingdoms of the Living Organisms

1. **Belongs to Plants:**



A B C D E

1. **Belongs to Animals:**



A B C D E

NB. You may select more than one answers.

1. **Belongs to Eubacteria:**



A B C D E

1. **Belongs to Fungi:**

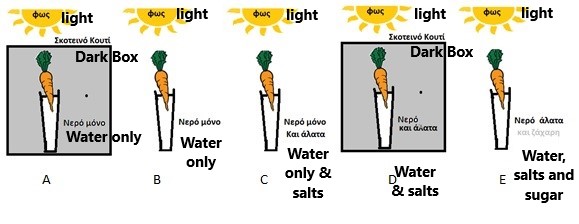


A B C D E

1. **The son may inherit (take) characteristics:**
   1. From his father only
   2. From his mother only
   3. From both his father and mother
   4. Either from the mother or from the father

|  |  |
| --- | --- |
| **GROUP 1** | **GROUP 2** |
| human | snake |
| dog | fish |
| bird | worm |

1. **A student sorted (singled out) animals into two groups, as shown here. By what criterion did the student do this grouping (distinguish these groups)?**
   1. the eyes
   2. the skin
   3. the bones
   4. the brain
2. **A student wanted to investigate (find out) if carrots need *water with salt* to grow roots. From the following experiments, which two (2) would she use to answer her question?**



* 1. A + B
  2. B + C
  3. C + D
  4. E + A
  5. A + D

1. **Plants can survive (live) without food. But they cannot survive (live) without light. They use light, air and water to make their own food. What else do plants produce besides their food?**
   1. oxygen
   2. carbon dioxide
   3. glucose
   4. salts
2. **Which of the following organs has the same function as the lungs in humans?**
   1. stomach
   2. intestine
   3. gills
   4. heart

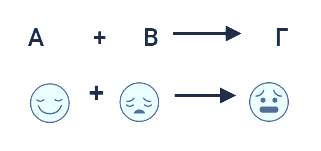


1. **Here is an aquarium. If the aquarium is completely closed but receives light, the fish can live. Where does the fish find oxygen to survive?**

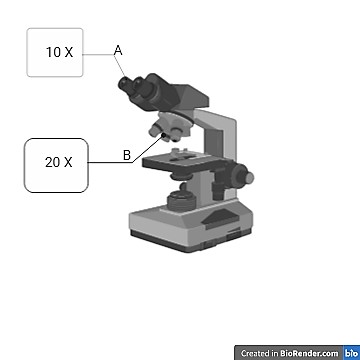
**NB. You may select more than one answers**.

* 1. Water contains oxygen.
  2. The air inside the aquarium contains oxygen.
  3. Leaves are constantly producing oxygen.
  4. Fish do not need oxygen, as they live in water.

1. **A chemical equation is shown here.**



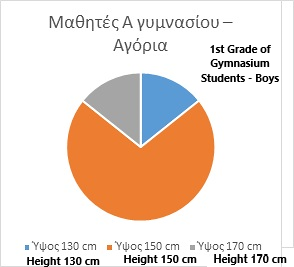
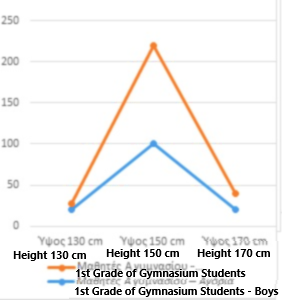
* 1. When you add A and B, they are equal to C, i.e. Α+Β=C
  2. When A and B are mixed, they give C.
  3. C eats A and B.
  4. You need A and B to get C.

1. **At points A and B there are lenses. These are necessary to see the objects:**
   1. clearer.
   2. larger.
   3. coloured.
   4. smaller.
2. **A cell is 1 micrometer in size. The lens at point A helps me see it 10 times larger. If I use both lenses A and B, how (much larger) will I see it?**
   1. 30 times smaller
   2. 10 times larger
   3. 20 times smaller
   4. 200 times larger

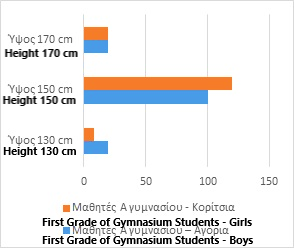
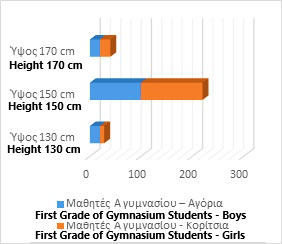
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1. **Study the adjacent diagram. Which is the right one;**
   1. The rabbit is a carnivore (eats animals).
   2. The fox eats the rabbit.
   3. The rabbit eats worms.
   4. The lizard eats the pigeon.
2. **Decide which of the following diagrams shows us the results of the table more correctly.**

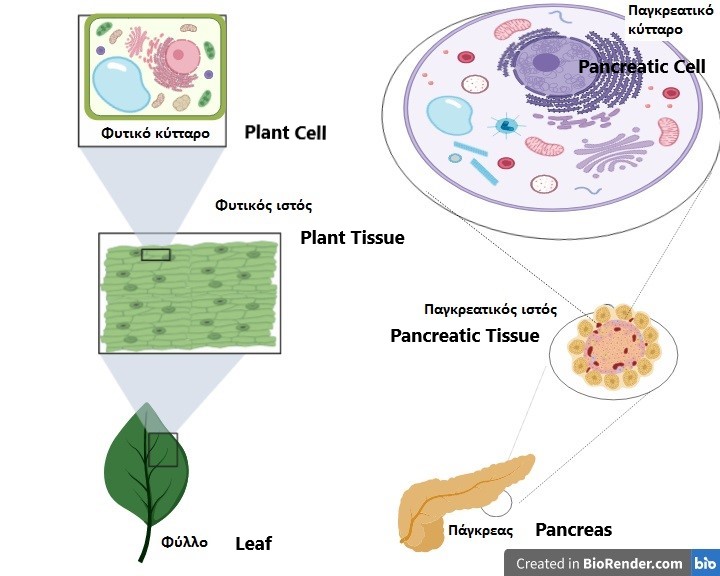
|  |  |  |  |
| --- | --- | --- | --- |
|  | | **1st Grade of Gymnasium Students** | |
| **Boys** | **Girls** |
| **HEIGHT** | **Less than 130 cm** | **20** | **8** |
| **Less than 150 cm** | **100** | **120** |
| **Less than 170 cm** | **20** | **20** |



Α Β



C D

1. **The images shown relate to the statements below.**

***The leaf is an organ. It consists of plant tissues.***

***Tissue is made up of cells.***

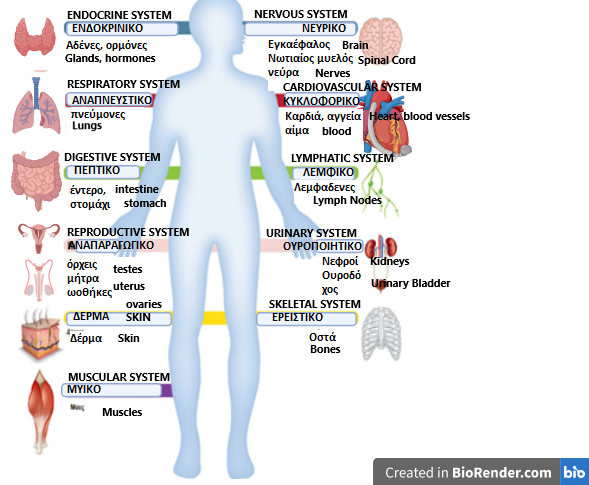
***The pancreas is an organ. It consists of pancreatic tissue.***

***Tissue is made up of cells***.

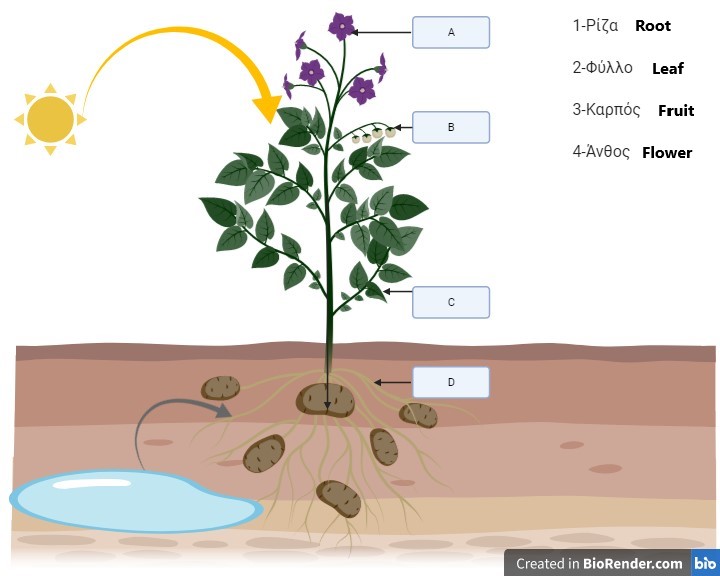
NB. You may select more than one answers.

* 1. The pancreas is larger than the pancreatic cell.
  2. Plant tissue cells are more in number than the plant tissues in a leaf.
  3. Many cells can form a tissue.
  4. Many organs can form a tissue.

**For the next questions (17-20) study the picture that shows the organic systems in humans.**



1. **This system helps us get oxygen from the air ……..……**
2. **Without this system we could not eat food …………………**
3. **This system supports our body and gives it a shape …………………**
4. **This system is necessary for the reproduction/ creation of offsprings ……………………………………………………………………………**
5. **In our blood, there is**
   1. water
   2. cells
   3. nutrients
   4. waste
6. **Living organisms are only those that,** 
   1. reproduce
   2. react to the environment
   3. are visible to us
   4. move

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1. **See the picture and name the organs of the plant**

**Match**

Α- ……………………

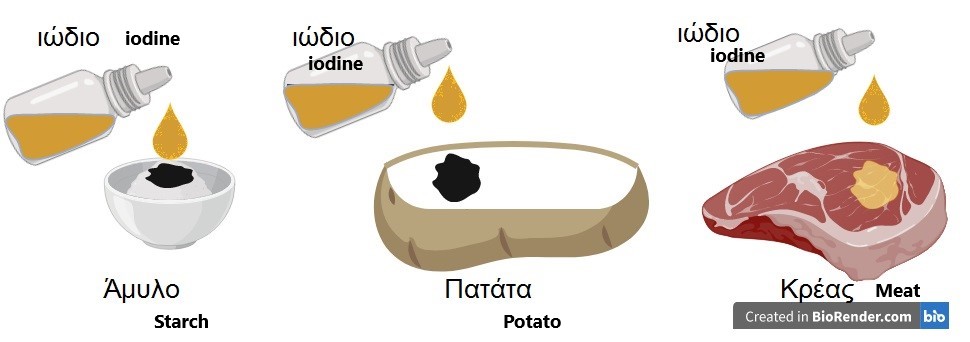
Β- ……………………

C-……………………

D-……………………

1. **In the same picture you can see that the plant absorbs water from the roots and blocks light from the leaves. What else is necessary for the plant to take from the leaves in order to make photosynthesis?** 
   1. Oxygen
   2. Carbon dioxide
   3. Air
   4. Glucose
   5. Soil
2. **Starch is a key element of the diet of people across the world. Examples of sources of starch are the potato, corn, wheat, rice and more. Starch is produced by plants by the process of photosynthesis, as shown in the above picture. Iodine is yellow-brown in color. When it comes in contact with starch it turns blue-black.**

**The picture shown proves that**



* 1. Iodine is yellow-brown in color.
  2. The potato has starch.
  3. The meat has starch.
  4. Iodine has starch.
  5. The potato has iodine.