

TRABAJO DE PENDIENTES PARA RECUPERAR 3º ESO DE BIOLOGÍA Y GEOLOGÍA

NOMBRE.....

Haz los siguientes ejercicios y completa el modelo de examen.

Es imprescindible entregar este trabajo el día del examen de pendientes para poder aprobar.

Tienes dos oportunidades para aprobar: la semana del 13 al 17 de enero y la semana del 20 al 24 de abril.

UNIT 1: Ejercicios 32, 34, 37,44,47,50 páginas 18 y 19.

UNIT 2: Ejercicios: 39,47, 52,54,58,61 páginas 38 y 39.

UNIT 3: Ejercicios: 52,53,60, 67,72,73 páginas 62 y 63.

UNIT 4: Ejercicios: 44, 45, 49, 54,55 páginas 84 y 85.

UNIT 5: Ejercicios: 8,9,10 página 9. Ejercicios: 60,61, 65 página 23.

UNIT 6: Ejercicios: 43,44,48, 51,54,57 página 44.

UNIT 7: Ejercicios: 43, 44, 46,47,50, 54 página 64.

1ª EVALUACIÓN:

1. Which systems correspond to the next functions in our body (some can be repeated):

1. Prepares food for the cells to use.	
2. Secretes hormones.	
3. Distributes nutrients and oxygen among the cells.	
4. Eliminates waste substances from the body.	
5. Coordinates all the body functions.	
6. Capture oxygen that will go to the blood.	
7. Is responsible of the person's movement.	
8. Capture information and enable the body to adapt and survive.	
9. It ensures the survival of our specie over time.	
10. It takes part in regulating the internal environment.	

2. Answer the questions:

a) Do we need energy while we are sleeping? Why? Which are the best conditions to calculate the basal metabolic rate (BMR)? Is it the same for everyone? Why?

b) Why are the nutrition information labels so important? Name all the things that we can find in them.

3. Remember your food wheel and say which is the function of the next types of food (structural, regulatory, energetic or a mixture of the three functions):

Bread		Pasta	
Cheese		Oranges	
Ham		Butter	
Nuts		Eggs	
Tomatoes		Pulses	

4. Read about the different kinds of diets below and write the name of each one.

These diets are good for people who suffer from constipation.	
These diets are for people that suffer from kidney problems.	
These diets are good for people with intestinal problems or after a surgical operation.	
These diets are good for people with circulatory problems.	
These diets do not have much high-energy food.	

5. Answer the following questions:

- a) Explain the difference between mechanical digestion and chemical digestion. Explain some examples of each.
- b) Where is the bile produced and stored? Describe how bile helps enzymes to digest fats.

2ª EVALUACIÓN

6. What 3 special characteristics of alveoli facilitates the gas exchange?

7. True or false:

1. Platelets are involved in protecting the body from infections.	
2. The blood pressure is higher in arteries than in veins.	
3. The pulmonary artery carries oxygenated blood.	
4. The valve between the right atrium and ventricle is the mitral valve.	
5. The veins always carry deoxygenated blood.	

8. Explain the functions of the nervous system.

9. Which substances are considered waste products and how do we eliminate them?

10. Draw a neuron, label all its parts and define them.

3ª EVALUACIÓN

11. Explain the differences between the nervous system and the endocrine system.
12. Answer the questions:
 - a) Explain the four types of receptors depending on the stimulus they receive.
 - b) Explain the hearing mechanism.
13. Define: sexuality, fertilization, gestation, menopause, placenta, nesting, cesarean, breaking waters, contraction, gametogenesis.
14. If a woman starts the period on the 21th of June, when will she ovulate? If she has a regular period, when will she start the period again? Which will be the best days for getting pregnant?
15. Explain the difference between identical twins and fraternal twins.