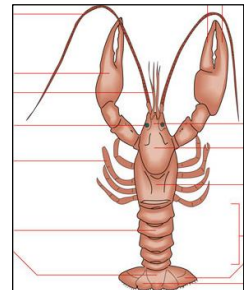


SCIENCES EXAM		Number: 3.1 (Opt. 1st)	
Last Name/First Name:		Group:	Date: 12.01.08
Orthography:	Syntax:	Global:	

PART 1. Test: Tick with an "x" the accurate answer to every question
OBSERVATIONS. Every question counts a maximum of 0,5 points.

01. The invertebrates
 have an internal skeleton made of bone.
 have not an internal skeleton of bone.
 have an external skeleton made of chitin.
 have not an external skeleton made of minerals.
02. The gastrovascular cavity is found
 into the the body of the echinoderms.
 into the the body of the porifers.
 into the the body of the cnidarians.
 Only into the worms.
03. The animal of the picture on the side is an
 Insect.
 Chelicerate.
 Crustacean.
 Echinoderm.
04. Porifers do not have
 Spongin.
 Pores.
 Anum.
 Mineral Spicules.
05. The only multi-cellular organisms that **have not organs**, movable parts or appendages are
 the Mammals.
 the Segmented worms.
 the crustaceans.
 the Porifers.
06. Why this animal is a crustacean?
 Because its body is divided into three segments: head, thorax an abdomen.
 Because it has eight legs.
 Because it has ten legs.
 Because it has eight legs and its body is divided into two segments: cephalothorax and abdomen.
07. The **ambulacral feet** is present in the...
 Echinoderms.
 Insects.
 Arthropoda.
 Birds.
08. Centipedes belong to the
 crustaceans.
 insects.
 segmented worms.
 chelicerates.
09. Bivalves breathe by
 Lungs.
 Gills.
 Tracheal system.
 These animals are so simple that they do not need to breathe.
10. Where can we find a radula?
 Into the mouth of the gastropods.
 It's the cephalopods beak.
 Both into the mammals and into the birds.
 It is the internal skeleton of porifers.



11. They have reduced cephalization with reduced sense organs, and they are important detritivores in many ecosystems:
- They are the Porifers.
 - They are the Segmented Worms.
 - They are the Cnidarians.
 - They are the Echinoderms.
12. What kind of invertebrates can breathe through a tracheal system?
- The jellyfish.
 - The earthworms.
 - The spiders.
 - The sea urchins.
13. What kind of organs are the chelicerae
- They are the mouth appendages of the insects.
 - They are the mouth appendages of the cephalopods.
 - They are the mouth appendages of the spiders.
 - They are the mouth appendages of the crustaceans.
14. The figure show a
- crustacean.
 - cephalopod.
 - gastropod.
 - jellyfish.



TRANSLATION/TRADUCCIÓN

PARTE 1.

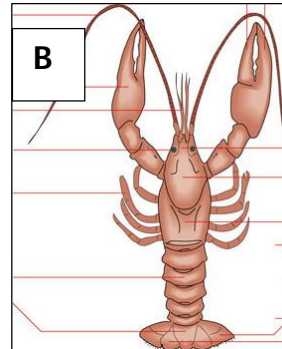
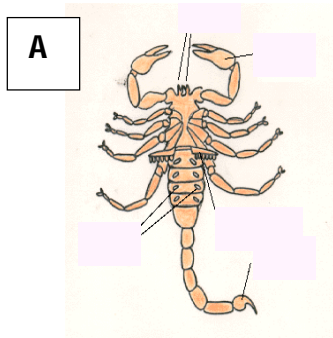
Para facilitar la realización del ejercicio se suministra a continuación en castellano los enunciados de las cuestiones planteadas:

01	<i>Los invertebrados...</i>
02	<i>La cavidad gastrovascular se encuentra...</i>
03	<i>El animal de la figura de al lado es...</i>
04	<i>Los Poríferos no tienen...</i>
05	<i>Los únicos organismos pluricelulares que no tienen órganos, partes móviles o apéndices son...</i>
06	<i>¿Por qué este animal es un crustáceo?</i>
07	<i>El pie ambulacral está presente en los...</i>
08	<i>Los centípedos pertenecen a...</i>
09	<i>Los bivalvos respiran mediante...</i>
10	<i>¿Dónde podemos encontrar una rádula?</i>
11	<i>Tienen una cefalización reducida, con reducidos órganos de los sentidos y son importantes detritívoros en muchos ecosistemas.</i>
12	<i>¿Qué tipo de invertebrados pueden respirar a través de un sistema traqueal?</i>
13	<i>¿Qué clase de órganos son los quelíceros?</i>
14	<i>La figura representa un/una...</i>

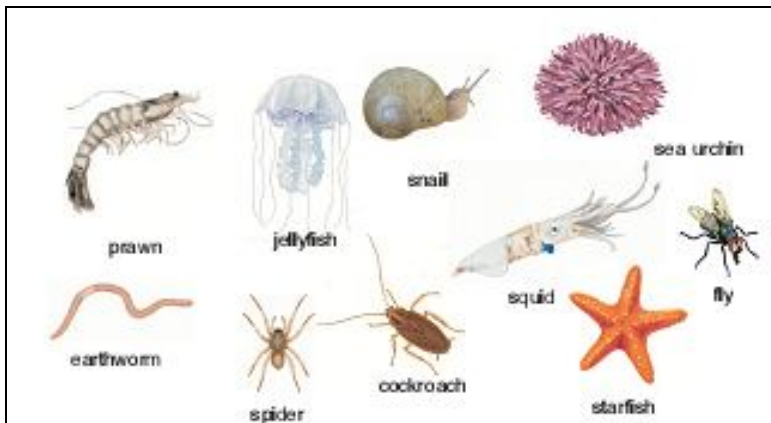
SCIENCES EXAM		Number: 3.3	
Last Name/First Name:		Group:	Date: 12.01.09
Orthography:	Syntax:	Global:	

PART 2 (3 points)

1. Write three characteristics that differ the animals shown in the pictures.
Escribe tres características que diferencian a los animales representados en las figuras



2. Which Group of Arthropods does each animal belong to? Which is the criterion you have used in your identification?
¿A qué grupo de Artrópodos pertenece cada animal? ¿Cuál es el criterio que has seguido en tu identificación?

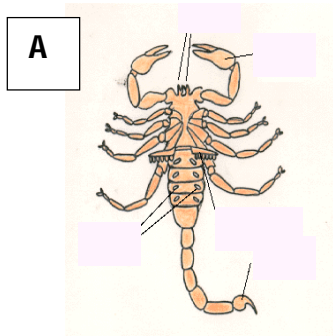


3. Complete the table below:
Completa la tabla inferior.

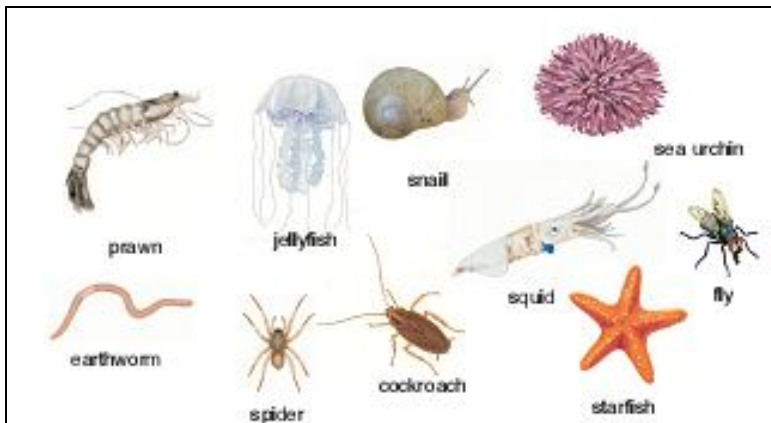
	Cnidaria	Annelids	Molluscs
Main physical characteristics			
Habitat			
Example			

SCIENCES EXAM		Number: 3.2bis (Opt. A/B)	
Last Name/First Name:		Group:	Date:
Orthography:	Syntax:	Global:	

1. Write three characteristics that differ the animals shown in the pictures. (2 points.)
Escribe tres características que diferencian a los animales representados en las figuras



2. Which Group of Arthropods does each animal belong to? Which is the criterion you have used in your identification? (2 points.)
¿A qué grupo de Artrópodos pertenece cada animal? ¿Cuál es el criterio que has seguido en tu identificación?



3. Complete the table below: (2 points.)
Completa la tabla inferior.

	Cnidaria	Annelids	Molluscs
Main physical characteristics			
Habitat			
Example			

4. Say how we can differentiate between the following: (2 points.)

Di cómo podemos diferenciar los siguientes:

- A bivalve and a gastropod.
- A gastropod and a cephalopod.
- An arachnid and an insect
- An echinoderm and an arthropod.
- A porifer and a cnidarian.

5. Crustaceans are an important invertebrates group. Write the main characteristics of these animals. You must make a picture to help your answer.

Los crustáceos son un importante grupo de invertebrados. Escribe las principales características de estos animales. Debes hacer un dibujo para ayudar tu respuesta.