UNIT 3. INTERACTION - REVIEW

INTERACTION

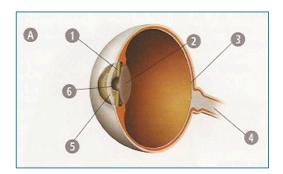
1. Look at the pictures. Copy the phrases in the correct order to describe what is happening.



		Colonia
	_ a. The info	rmation from the skin arrives at the brain.
	_ b. The ord	er to open the umbrella arrives at the muscles.
	_ c. The skin	senses falling raindrops.
	_ d. The bra	in receives the information, realises that it's raining and decides to imbrella.
	_ e. The bra	in sends the order to open the umbrella to the muscles.
	_ f. The nece	essary muscles are put into action.
respo	nse in each ca	xamples of sensitivity at work. What is the stimulus and what is the see? In the Sun and you move into the shade.
		mit the san and yearmove into the shade.
	Stimulus	
	Response	
2.	You cover yo	our ears when a loud bell rings.
	Stimulus	
	Response	

٥.	You cro											
	Respo	nse										
4.	You eat	t a mea	al and o	digest	the foc	od.						
	Stimul	us										
	Respo	nse										
		l										
3. Ex	olain wh	at inter	nal co-	-ordina	ation is.							
						_						
4. Ex	olain wh	at horn	nones	are. W	here ar	e hormo	nes pi	roduce	d and I	how do	they w	vork?
-												
5. Wr	nich ende	ocrine (glands	are di	Herent	in men a	nd wo	omen?				
CENI	CE OF		ıc									
SEIN	SE OR	GAN	15									
6. E	Explain	how	you	use	your	senses	to	help	you	cross	the	street.

7. Look at the diagrams below. Identify the organs and label the parts 1 to 11.



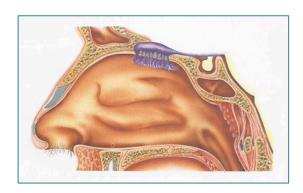
1			

2			
٠,			
/ -			



7.-

8. Label the parts that you know.



9. Explain what is it that we can feel thanks to our skin and how does it happen.

10. Name three types of stimuli that the skin can detect.

1.-

2.-____

3.-_____

^{3.-}

^{4.-}

^{5.-}

1	-				
2	-				
0.					
12. CI	lassify the w	vords			
F					
				outer ear - iris lens - nostril	
			· · · · · · ·	helium - taste r	
İ					
•	eyes	ears	skin	tongue	nose
13. E>	oplain the fu	unction of the rece	eptor cells in the se	ense organs	
	•		•	5	
14. C	omplete the	e table for all the s	senses		
			Sense organ	Location of	receptors
S	ciculat			retina	'
3 E	sight	eyes		received	
N					
S					
3 E					
S					
3					

11. Write three things that you could not do if your sense of smell didn't work.

15. Read the definition and identify the sense.
This sense can detect temperature, texture, pressure and pain
Now write the definitions for the other four senses.
•
•
•
•
16. How do we see? Order the sentences.
a. Information goes along the optic nerve to the brain.
b. The lens bends the light.
c. Light makes an image on the retina.
d. Lights enters through the cornea and the pupil.
17. How do we hear? Write four sentences to describe the process. 1st
18. Answer the following questions:
What are the three main parts of the ear?
What are the functions of the epidermis?
What is the sense of smell? How do we perceive smells?

What is the function of taste buds?	
HE NERVOUS SYSTEM	
9. Explain what neurons are. Draw a d	iagram and label the parts.
O. What's the difference between the	dendrites and the axon?
1. Look at the illustration and explain l	how a nerve impulse is transmitted.
Name the part of the brain that is w	orking when you
a. Digest food →	

	23.	Label the	parts of the	brain using	the words	in the box.	There are son	ne extra words
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brain stem	_	cerebellum	_	cerebrum	_	dermis	_	tendon	_	spinal cord
Diani Stein		CCICDCIIGIII		CCICDIUIII		aciiiis		teriadii		Spirial Cold

- 1- _____
- 2.-____
- 3.-
- 4.-

24. Answer the following questions.

What	are th	ne two	parts	of the I	nervous	syst	em?				
										system?	
What	are th	ne thre	ee mai	n parts	of the k	orain	?				
Why a	are the	e injur	ies to	the bra	in stem	espe	ecially	/ dangero	ous?		
What	is the	spina	l cord	?							
										spinal cord?	

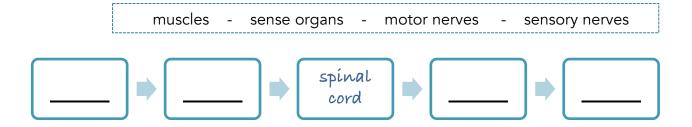
		brainstem - muscle	
1			
2			
3			
4			
6. Explain the differe	ence between	sensory nerves a	and motor nerve
7. Classify the words about			······
Spinal cord - brain stem	- nerves - ce	rebellum - cerebrum 	- neurons
Central nervous s	ystem	Peripheral nervo	us system
8. What would happen if we	e did not have a	peripheral nervous sys	tem?
8. What would happen if we	e did not have a	peripheral nervous sys	item?
8. What would happen if we	e did not have a	peripheral nervous sys	item?
		peripheral nervous sys	item?
OCOMOTOR SYSTE		peripheral nervous sys	rtem?
OCOMOTOR SYSTE	M	peripheral nervous sys	item?
8. What would happen if we compared to the com	M 		

- 31. Look at the picture and answer the questions.
 - a. Which muscle is contracting? _____
 - b. Which muscle must contract to straighten the arm? _____



MOVEMENT

32. Use the words to complete the flow diagram about reflex movements.



Make a flow diagram about voluntary muscles.

33. Decide if the following movements are voluntary (V) or involuntary (I).

a. breathing ____

c. blinking ___

- b. playing the guitar ____
- d. reading ___

34. Can the ey	relids make reflex movements and voluntary movements? Explain and give			
your	reasons.			
35. Describe to	wo examples of each type of movement that you have experiences.			
	1.			
voluntary movements	2.			
involuntary	1.			
movements 2.				
36. Are the vo	luntary and the involuntary movements controlled by the same part of the			
brain: Explain.				
SUMMARY				
3/. Why is it	important to be able to sense our environment? How does this keep us			
safe?				
38. Why is it	useful to have involuntary movements? Why do you think the spinal cord			
deals with then	n without the brain?			

	39.	Comp	olete	the	test	usina	these	words.
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brainstem - neurons - spinal cord - receptors - sensitivity - cerebellum - nervous tissue - messages - peripheral stimuli - cerebrum - dendrites

Through	, we respond to changes in the environment, called
·	in the sense organs detect these stimuli. The nervous
system is formed	by, made up of These cells have
three parts: the k	oody, the axon and the
The central nerv	ous system consists of the brain and the
The brain has	three parts: the, the and the
	. •
The	nervous system consists of nerves all over the body. These nerves
carry	to and from the sense organs and the central nervous system.
<u> </u>	
40. Complete the	e definitions.
• The nerves	····
The cerebrum	
The cerebellui	m
• The brain sten	n
 The spinal cor 	[.] d

41. What functions do these parts of the body have? Classify ther	41.	What functions	do these	parts of	f the body	/ have?	Classify	them /
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bones - brain - eyes - neurons - skin - muscles - skeleton -
taste buds - joints - spinal cord - nerves - nostrils - tongue
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receiving information	processing information	giving a response

42. True or false? Make the necessary changes to make the false ones true.

- ___ a. The spinal cord is the control centre for the nervous system.
- ___ b. The cerebrum is the biggest part of the brain.
- ___ c. The cerebellum helps keep your balance so you do not fall.
- ___ d. The brain creates connections through blood cells.