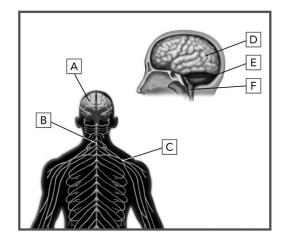
Checkup • Chapter 7

1 The nervous system

(pp. 202-212)

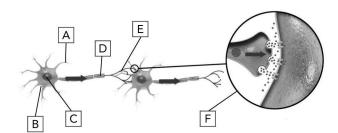
1. The illustration below depicts the human nervous system. Name each of the structures indicated.



- A _____ D ____ E ____
- 2. Relate each of the following examples to one or more functions of the nervous system, e.g. receiving, processing, storing or transmitting information.
 - a) Feeling pain after being stung by an insect
 - b) Sharing memories from a trip
 - c) Raising your leg to avoid an obstacle
 - d) Listening to your favourite music

C

3. The illustration below depicts two neurons. Name each of the structures indicated.



А _____

E _____

4. Name the chemical substances that help transmit nerve impulses from one neuron to another.

5. The brain communicates with the rest of the body through 12 pairs of nerves. Why are the nerves usually in pairs?

- **6.** Name the region of the brain most likely responsible for each of the following activities:
 - a) singing a song
 - **b)** walking on a tightrope without falling
 - c) memorizing the script from a play
 - d) laughing at a funny joke
 - e) digesting a meal
 - f) walking to school

Name:			(Group:		Date:
	7.		nen the doctor taps your knee with a li			
		b)	Name the path taken by the nerve in	npulse.		
	8.	Ind	licate whether the following examples	refer to s	ensory nerves o	or motor nerves:
		a)	The optic nerve conveys nerve imputo the brain.	Ises		
		b)	Nerves transmit stimuli coming from the stomach.	-		
		c)	Certain nerves transmit nerve impuls to muscles surrounding the intestine			
		d)	Certain nerves transmit stimuli comii from muscles.	ng -		
ງ .						

2 The sensory organs

(pp. 213–220)

- **9.** For each sensory organ:
 - a) Name the sense associated with it.
 - **b)** Name the structure where the related sensory receptors are located.
 - c) Name the stimulus or stimuli detected by these sensory receptors.

Write your answers in the table below.

Organ	Sense	STRUCTURE WHERE SENSORY RECEPTORS ARE LOCATED	STIMULI DETECTED BY SENSORY RECEPTORS

Organ	Sense	STRUCTURE WHERE SENSORY RECEPTORS ARE LOCATED	STIMULI DETECTED BY SENSORY RECEPTORS
	-		
	_		
	-		
	-		
	-		

10. The lens accommodates according to the distance of the object observed. For each of the two illustrations below, indicate whether the object is near or far.

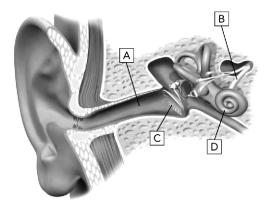
a)



b)



11. Name each structure indicated in the table on the following page.



e:		Group:	Date:
ı	STRUCTURE		NCTION
Α			
В			
С			
D			
12. Why	do we have the feeling	that food has no flavour when	our nose is congested?
13. To w	what does each of the fo	lowing phrases refer?	

- a) part of the retina where no image can be formed
- **b)** sensory receptors that detect tastes
- c) structures that play a role in balance
- **d)** organ that is responsible for vitamin D production
- e) transmitter of nerve impulses from the eye to the brain

3 The musculoskeletal system

(pp. 221-228)

- **14.** Name the type of bone for each of the following:
 - a) cube-shaped bone, composed mainly of spongy bone
 - b) bone that is longer than it is wide, composed mainly of compact bone
 - c) bone of the spine
 - d) bone that is flat
- **15.** Describe the function of the bones referred to in each of the following cases:
 - a) These skull bones surround the brain.
 - **b)** Without bones, we would be as soft as a slug.
 - c) Some patients with leukemia undergo a bone marrow transplant.
 - **d)** Minerals are essential to the proper functioning of the organism.
- **16.** What is the difference between a tendon and a ligament?

17. Indicate the joint movements illustrated in each example below.

a)



b)



c)



18. What function of muscles is described in each of the following situations?

- a) The members of the Royal Guard stand without moving for several hours at a time.
- **b)** The temperature of the body is maintained at about 37°C.
- **c)** Food moves into the esophagus.
- **d)** Muscles strengthen the junction between bones.

19. What type of muscle is involved in each of the following:

- a) the muscle that forms the ventricles of the heart
- **b)** the muscle that makes up the wall of internal organs
- c) the muscle that makes it possible to perform voluntary movements