

Name _____ Date: 10-11-2021

Unit 1: Interaction

1. Answer the questions.

- a) What do we call the coloured part of the eye? _____
- b) Name two parts of the eye that are transparent. _____
- c) What part of the eye is made of nervous tissue and transforms light energy into nerve impulses? _____
- d) What do we call the hairs on the edge of our eyelids? What is their function?

- e) Why do we blink? _____

2. ~~Gross out~~ the wrong word. Write the correct word.

- 3. Nerves connect the spinal cord to the muscles, organs and skill. _____
- 4. Motor nerves block messages from the brain to the muscles. _____
- 5. Sensory nerves transmit messages from the electricity to the brain. _____
- 6. The spinal cord connects the fingers to the rest of the body. _____
- 7. The brain controls the solar system. _____

3. What are the parts of the brain and what is the function of each part? Label the diagram then write a description of the function of each part below.



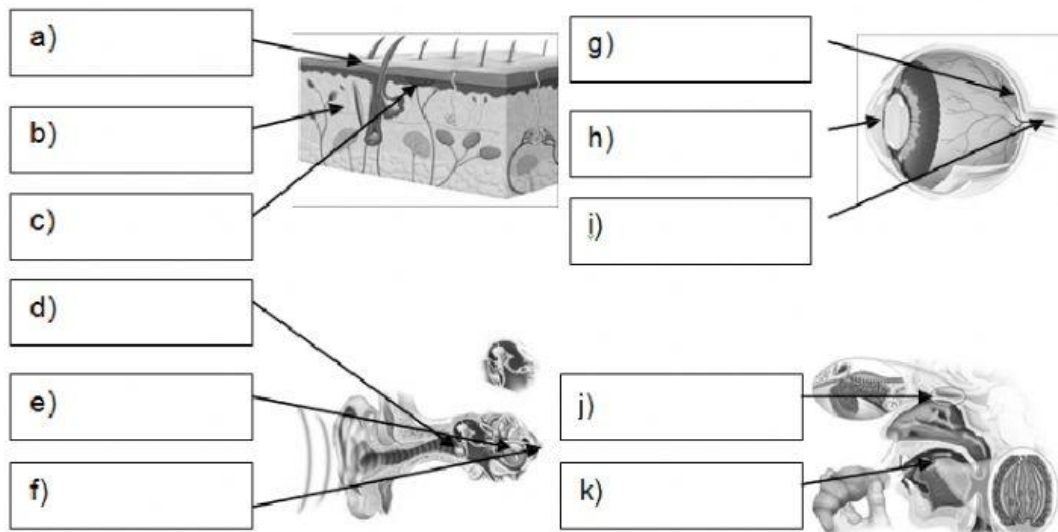
brainstem

cerebellum

cerebrum

4. Label the diagrams. Use the words in the box.

pupil	cochlea	epidermis	retina	taste buds	eardrum	nerve endings
dermis	optic nerve	olfactory nerve	gustatory nerve	auditory nerve		



5. Translate that words into Spanish:

interact = _____
 cornea = _____
 nervous system = _____
 lens = _____
 spinal cord = _____
 retina = _____
 sensory nerve = _____
 optic nerve = _____

motor nerve= _____
eardrum = _____
brainstem = _____
small bones = _____
involuntary movement= _____
cochlea = _____
auditory nerve = _____
cerebrum= _____
olfactory nerve = _____
cerebellum= _____
olfactory cells = _____
neuron = _____
nasal passages = _____
nerve impulse = _____
tastebuds = _____
synapse = _____
saliva = _____
iris = _____
gustatory nerves = _____
pupil = _____

6. Complete the sentences.

The function of the brain is to _____.

The function of the spinal cord is to _____.

The function of the sensory nerves is to _____.

The function of the motor nerves is to _____.

7. Answer the questions.

How do neurons transmit messages to other neurons?

What part of the skin detects information about what you touch?

What part of the eye transmits information from the retina to the brain?

What part of the ear changes vibrations into nerve impulses?

What part of the nose transmits nerve impulses to the brain?

What part of your tongue detects chemicals in food when they are mixed with saliva?

8. Underline the correct word.

- a) The brain is the most important organ of the *nervous/interactive* system.
- b) The brain gets information from the *sensory/selective* nerves.
- c) Then the brain sends information to the *mechanical/motor* nerves.
- d) Nerve cells use *involuntary/electrical* impulses to transmit messages.
- e) A nerve cell is *star-shaped/oval* with a long extension called an axon.
- f) The axon *sends/receives* nerve impulses to the dendrites of other nerve cells.

9. Complete the table.

eardrum	lens	olfactory cells	epidermis	cochlea	retina
dermis	iris	tongue	taste buds		gustatory cells
Sense organ	Parts				
The eye					
The ear					
The mouth					
The nose					
The skin					