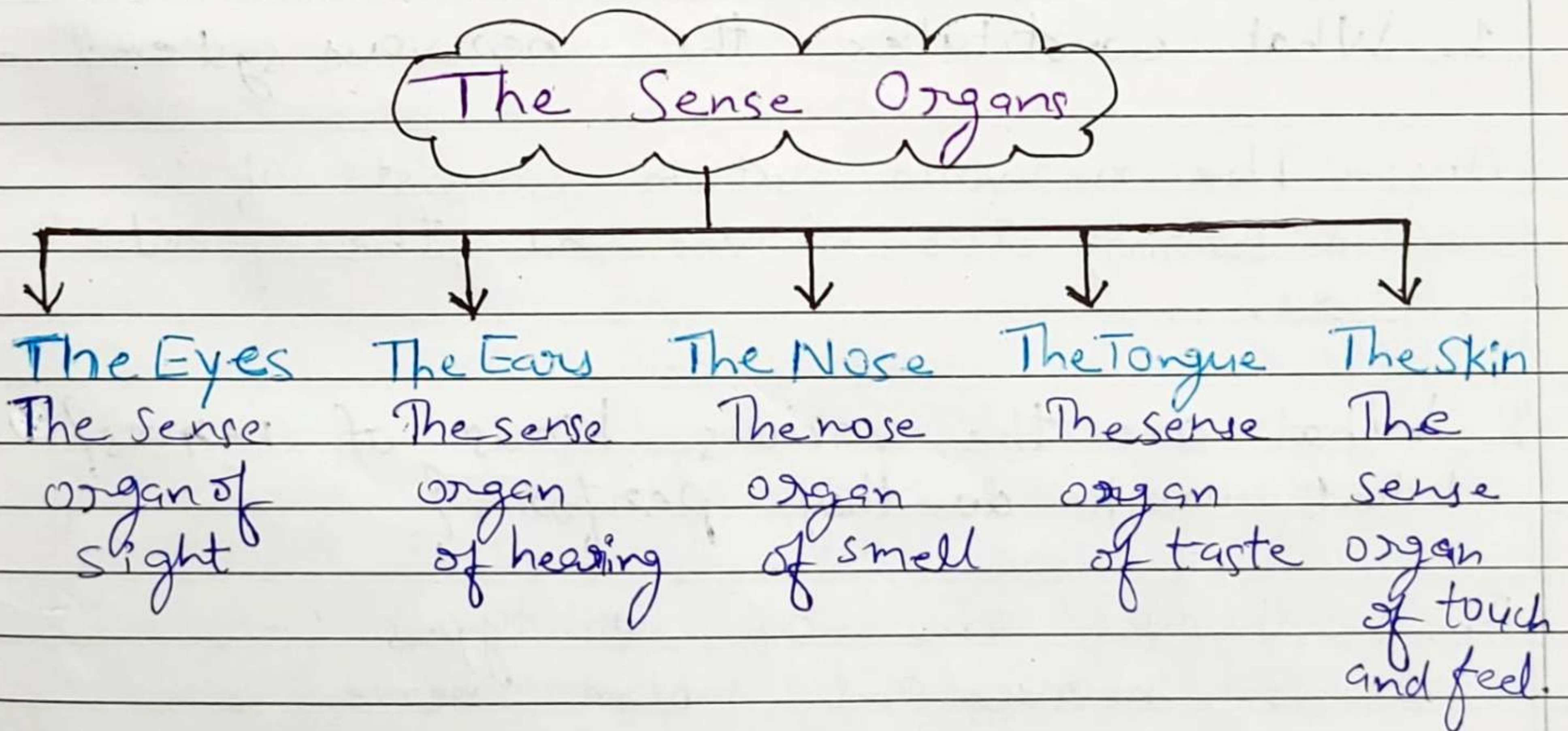
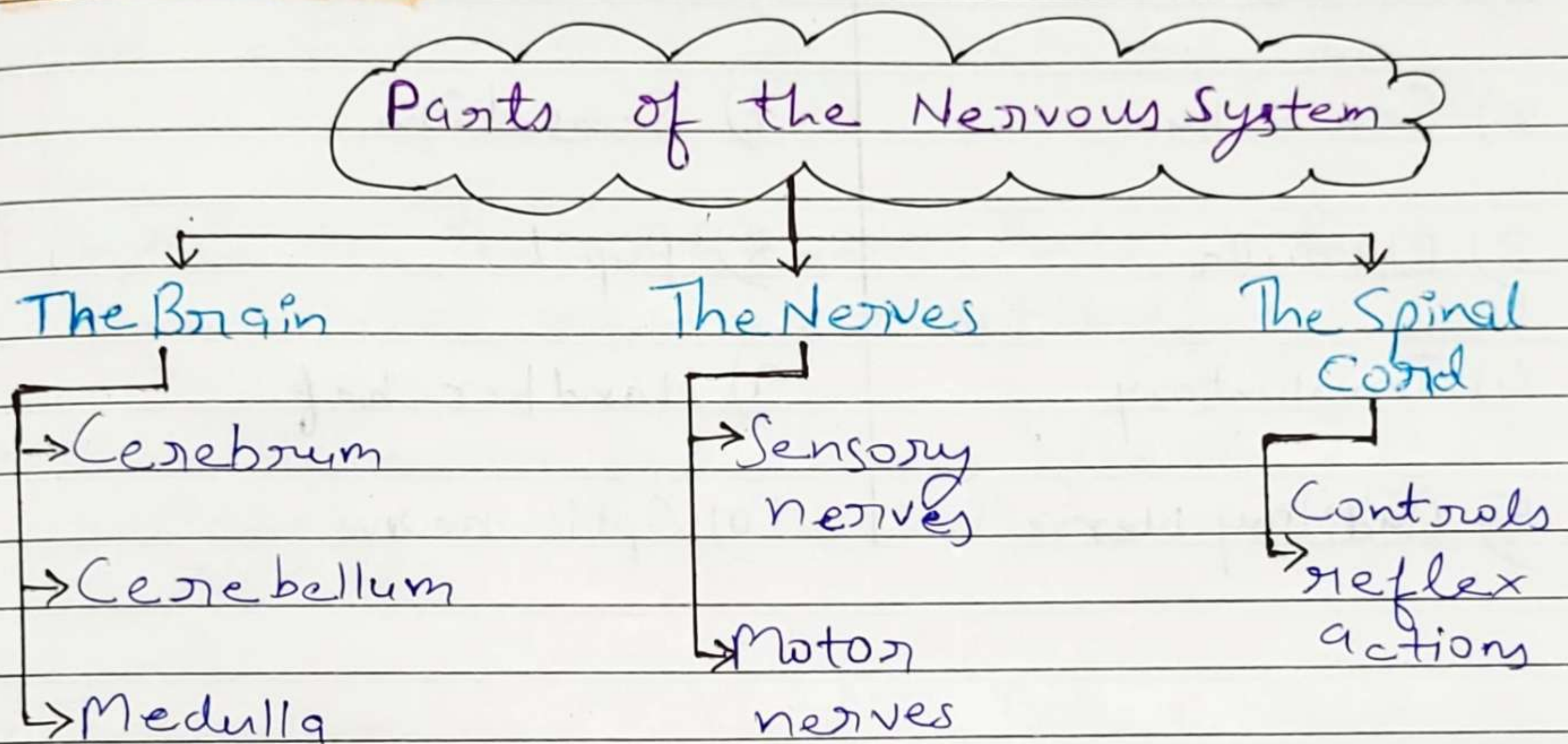


Chapter - 4: The Nervous System

* MIND MAP



* HARD WORDS :-

1) Cerebrum

6) Retina

2) Cerebellum

7) Sensation

3) Medulla

8) Pupil

4) Involuntary

9) Handkerchief

5) Auditory Nerve

10) Optic nerve

* ANSWER THE FOLLOWING QUESTIONS :-

1. What constitutes the nervous system?

Ans:- The nervous system consists of :-
the brain, the nerves and the spinal cord.

2. What are the various kinds of nerves?
What work do they perform?

Ans:- Nerves are of two types :-
Sensory nerves and motor nerves.

i) Sensory nerves carry information from the sense organs to the brain or the spinal cord.

ii) Motor nerves carry commands from the brain or spinal cord to the muscles. These signals tell the muscles about what is to be done.

3. What are the different parts of the brain? What are their functions?

Ans:- The brain has three parts: the cerebrum, the cerebellum and the medulla.

i) Cerebrum :- It is the largest part of the brain and controls all our voluntary activities. It also controls sense of hearing, taste, touch, smell and sight. It enables us to think.

ii) Cerebellum :- It coordinates our muscular activities like standing, walking, running etc. It also helps in balancing our body.

iii) Medulla :- It controls the involuntary actions of the body like beating of the heart, breathing etc. It also carries all the messages to and from the cerebrum.

4. What is reflex action? How does a reflex action occur?

Ans: → The actions, where we do not think before acting, are called reflex actions. These actions are controlled by the Spinal cord.

→ If the nerve ending in the finger feels the pain. The message reaches the spinal cord through the sensory nerve. The spinal cord sends the message back through the motor nerve to move away. In this way reflex action works.

5) How can you take care of your eyes?

Ans: - We can take care of our eyes by following some rules:-

→ Clean your eyes regularly with cold water.

→ Do not read while moving in a car or bus and also do not read while laying down.

→ Do not read in dim or very bright light.

→ Do not watch too much of television. Sit at least six feet away from the

T. V. Set.

→ Do not rub your eyes with dirty hands or a dirty cloth. It may cause infection.

6. How can you take care of your ears?

Ans:- We can take care of our ears by following ways:-

→ Do not let water enter your ears. Use a clean towel to dry them.

→ Never use a pointed object to clean your ears. It may injure the eardrum inside.

→ If you have an earache, consult the doctor immediately.

7. How can you take care of your nose and skin?

Ans:- → We should not pick our nose and should not use a dirty handkerchief to blow our nose. It may cause infection.

→ Proper skin care is necessary to keep it healthy. Take a regular bath. Dry your skin and wear clean and comfortable clothes.

* DEFINE THE FOLLOWING :-

- 1) Cerebrum :- Cerebrum is the largest part of the brain.
- 2) Cerebellum :- The part of the brain which lies below the cerebrum is called cerebellum.
- 3) Medulla :- The part of the brain which lies below the cerebellum and on top of the spinal cord is called medulla.
- 4) Reflex action :- The action which is performed automatically without thinking is called reflex action.

* What may happen if -

1. a person suffers from a brain injury?

Ans:- If a person suffers from a brain injury it may lead to nerve damage, blood clots, narrowing of blood vessels, stroke, comma or infections in the brain.

2. you clean your ears with a hair pin?

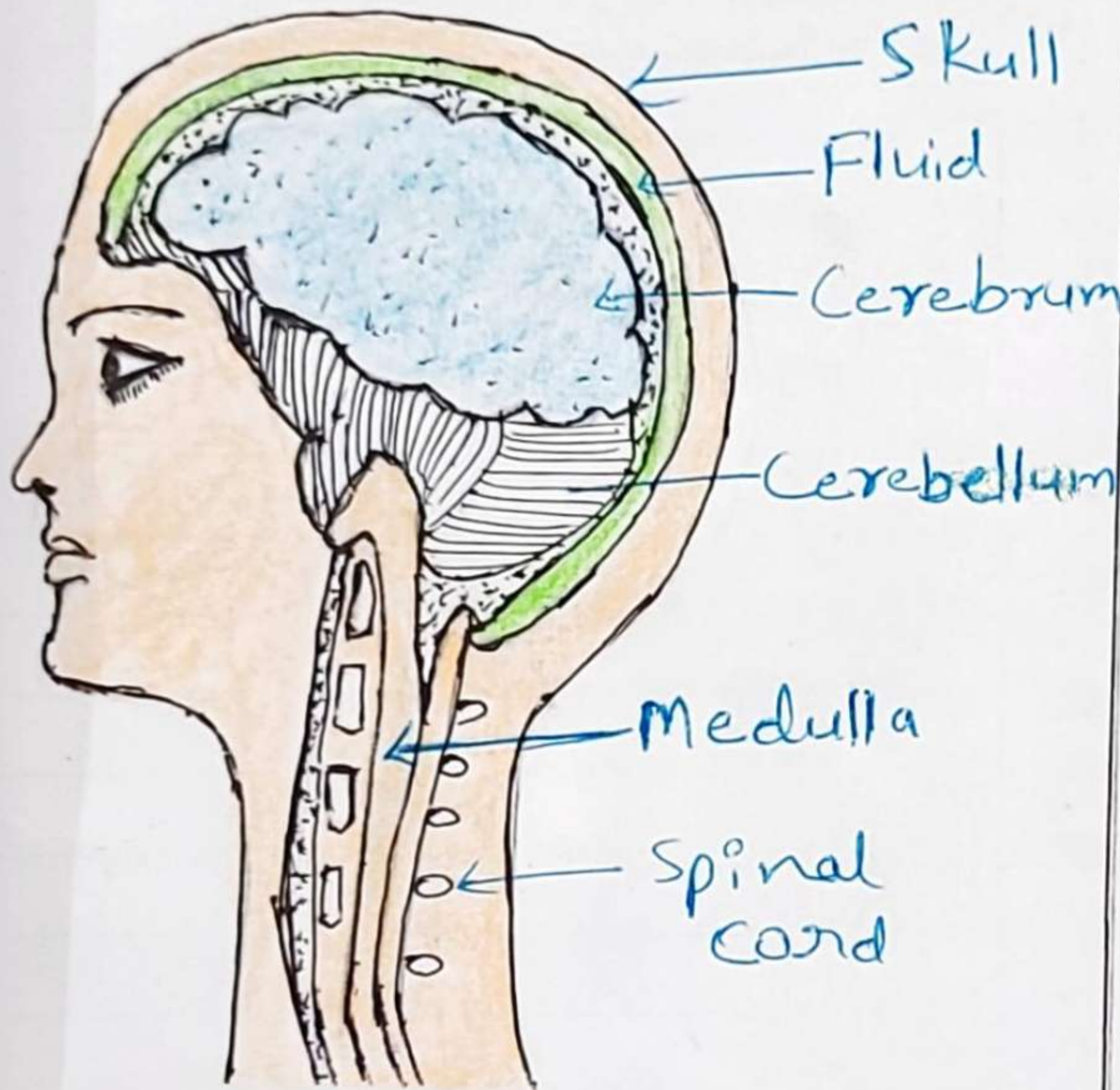
Ans:- If you clean your ears with a hairpin it may scratch your ear canal, which can lead to an ear infection. Also, it can rupture your eardrum, seriously affecting your hearing ability.

3. you do not treat a wound on the skin with an antiseptic medicine/lotion?

Ans:- Without antiseptic treatment, a wound may become infected, leading to increased pain, swelling, delayed healing, or severe complication.

* DIAGRAMS :-

PARTS OF THE BRAIN



THE EYE

