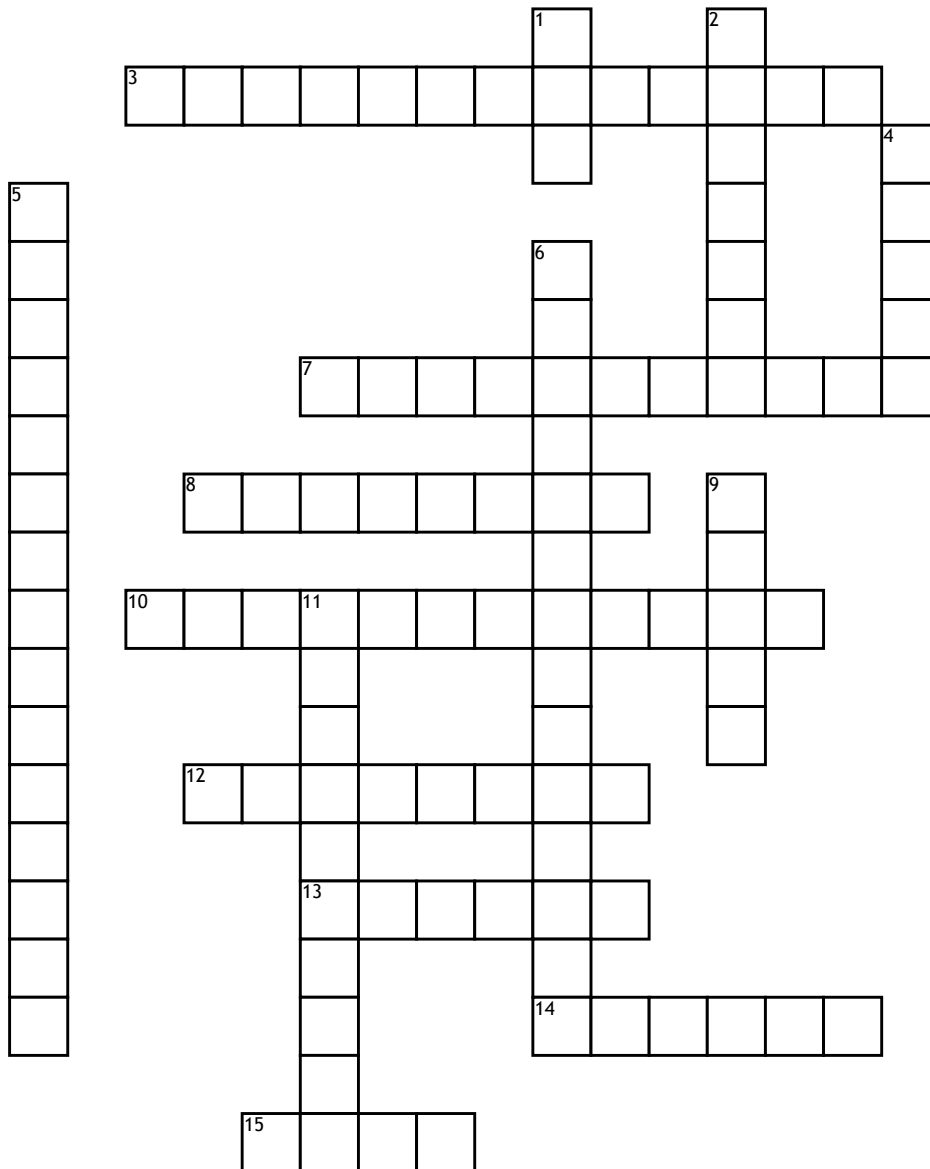


# The Nervous System



## Across

3. The part of the brain which processes visual information

7. An effector tissue in the human body which is involved in responding to hot temperatures.

8. Snakes can detect this type of electromagnetic radiation in their environment.

10. Electrical messages from the brain to the effector tissues are transmitted by \_\_\_\_\_.

12. A change in the environment.

13. A type of cell which transmits electrical impulses throughout our nervous system

14. The specific tissue in the eye which detects lightwaves.

15. In our eye, this structure changes shape to allow for clear vision to occur.

## Down

1. The name of the organ which detects sound waves from our environment.

2. Receptors in the \_\_\_\_\_ of the inner ear convert sound waves into electrical energy.

4. A special type of photoreceptor in the eye which detects colour.

5. The component of our nervous system which produces a response.

6. The name of the liquid which keeps the eye in shape and also assists the refraction of light onto the retina.

9. The part of the ear which directs sound from our environment down towards the ear canal.

11. The name of the nerve which relays electrical signals from the eye to the brain.