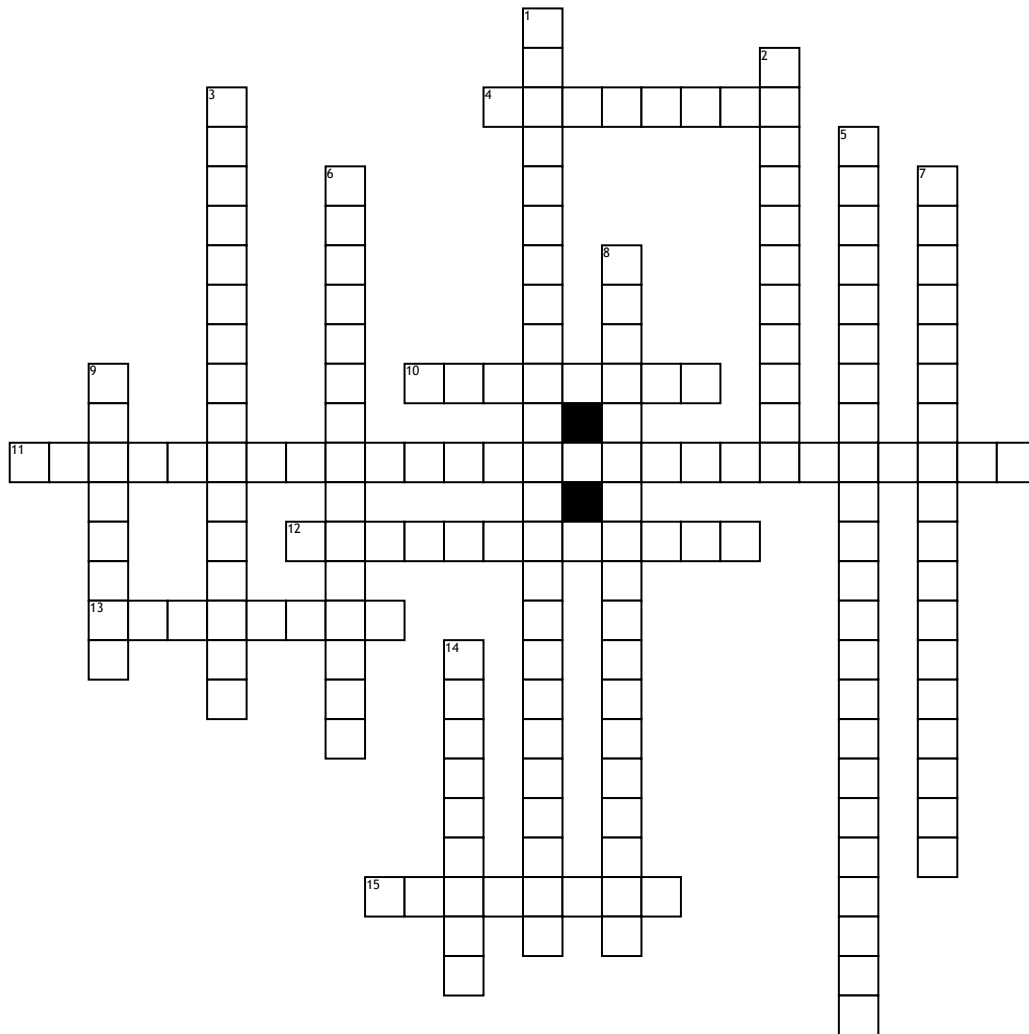


# Hormones and Areas in the Male Brain



## Across

4. Area that is found to be larger in men than women

10. The feel-good hormone that is offered as reward for sexual intercourse

11. Buried in the hypothalamus, this controls territorial threat response

12. Activates the sex and aggression circuits in the brain (ZEUS)

13. Hormone that builds trust, romantic, and attachment circuits in the brain

15. Runs most of the male brain circuits and stimulates oxytocin (THE QUEEN)

## Down

1. Is more active in the male brain and seeks to find a more immediate solution to a problem

2. Assists in running the brain circuits and raises masculinity

3. Area that is found to be smaller in males than women and focuses on judgement

5. Is smaller in men than women and motivates decisions

6. Released by the skin as a pheromone to increase a man's sex appeal

7. More active during sex and helps control spontaneous pain and pleasure

8. 2.5 times larger in males than females and men need it to start an erection

9. Fight or flight hormone- (stress hormone)

14. Stimulates connections on the male brain for fatherly behavior

## Word Bank

Prefrontal Cortex

Vasopressin

Medial Preoptic Area

Temporal Parietal Junction

Dorsal Premammillary Nucleus

Oxytocin

Cortisol

Periaqueductal Gray

Prolactin

Testosterone

Dopamine

Estrogen

Anterior Cingulate Cortex

Androstenedione

Amygdala