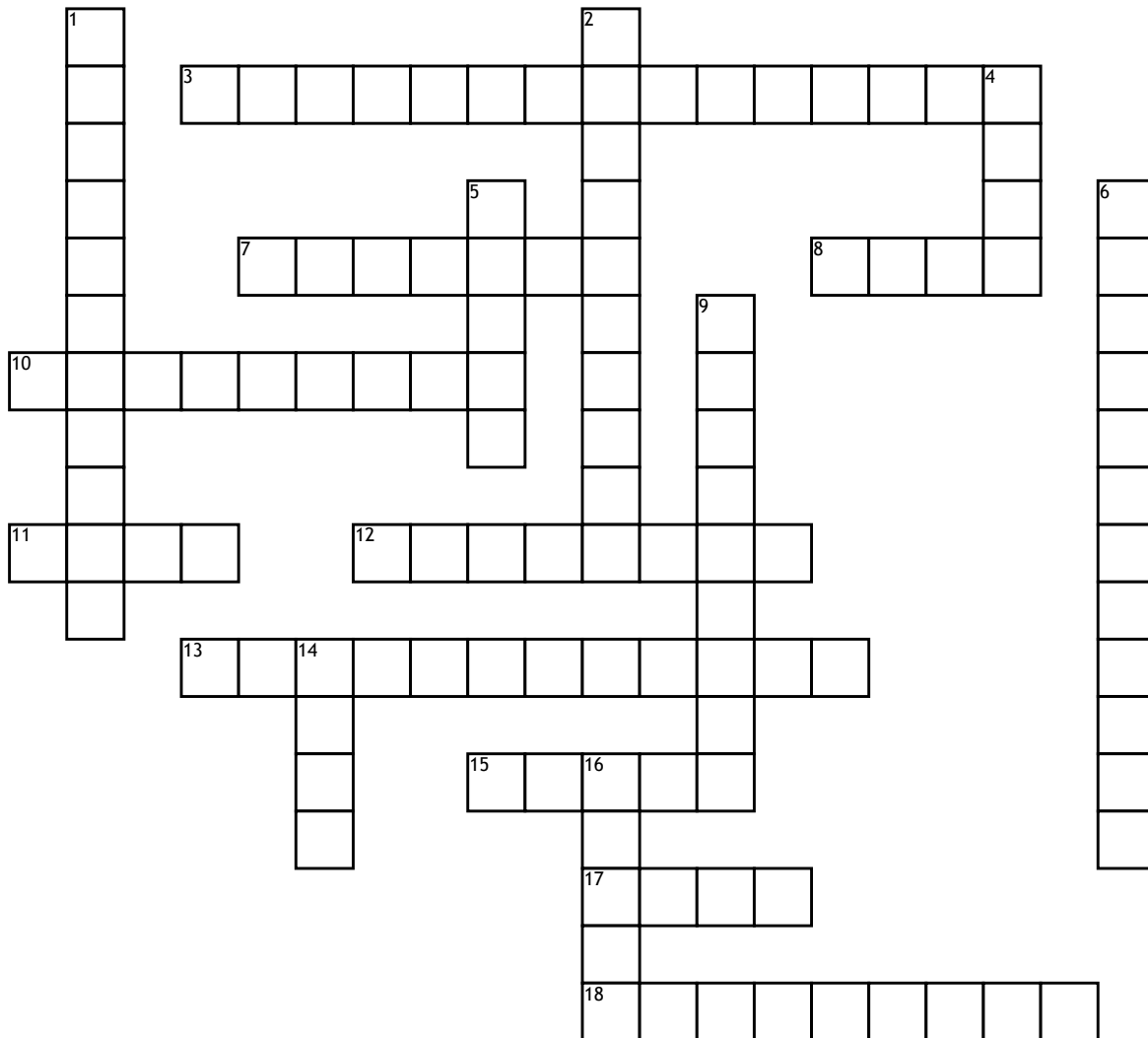


Innate Immune System



Across

3. These openings on your body are wet and try and trap “invaders” with a sticky substance lining their openings. -nose, mouth, and eyes

7. The type of barrier a moat is for a castle. Our skin is also this type of barrier. Physical

8. This uncomfortable sensation keeps you from re-injuring yourself, so your body can heal.

10. Any type of cell that “eats” another cell

11. This helps chemical reactions happen faster, so that cells can make what they need to repair the damage.

12. This is the result of all the “backup” rushing to defend your body from invading cells.

13. Swelling, redness, heat, pain.

These are the 4 signs that this type of response is happening.

15. Assassins-This type of cell detects cells that are infected with viruses or have become cancerous. Natural killer

17. Four letter acronym-it is the identification tag of the cell that tells the “guards” that everything is okay and they belong there.

18. This molecule serves as a chemical siren to get the backup.

Down

1. A phagocyte that mainly protects your organs. They can destroy bacteria and fungi for a long time.

2. First responders. This type of phagocyte kills a few bad guys but doesn’t last long. Makes up pus

4. Largest immune organ in our body.

5. This type of macrophage stays in one location and destroys any passing invading cells.

6. This means the blood vessels expand allowing more traffic through.

9. Proteins on your skin that attack bacteria and Fungi (cell walls) and prevents infection.

14. This type of macrophage moves around in searching and destroying any invading cells.

16. Clear fluid that is part of blood but also can move through the lymphatic system