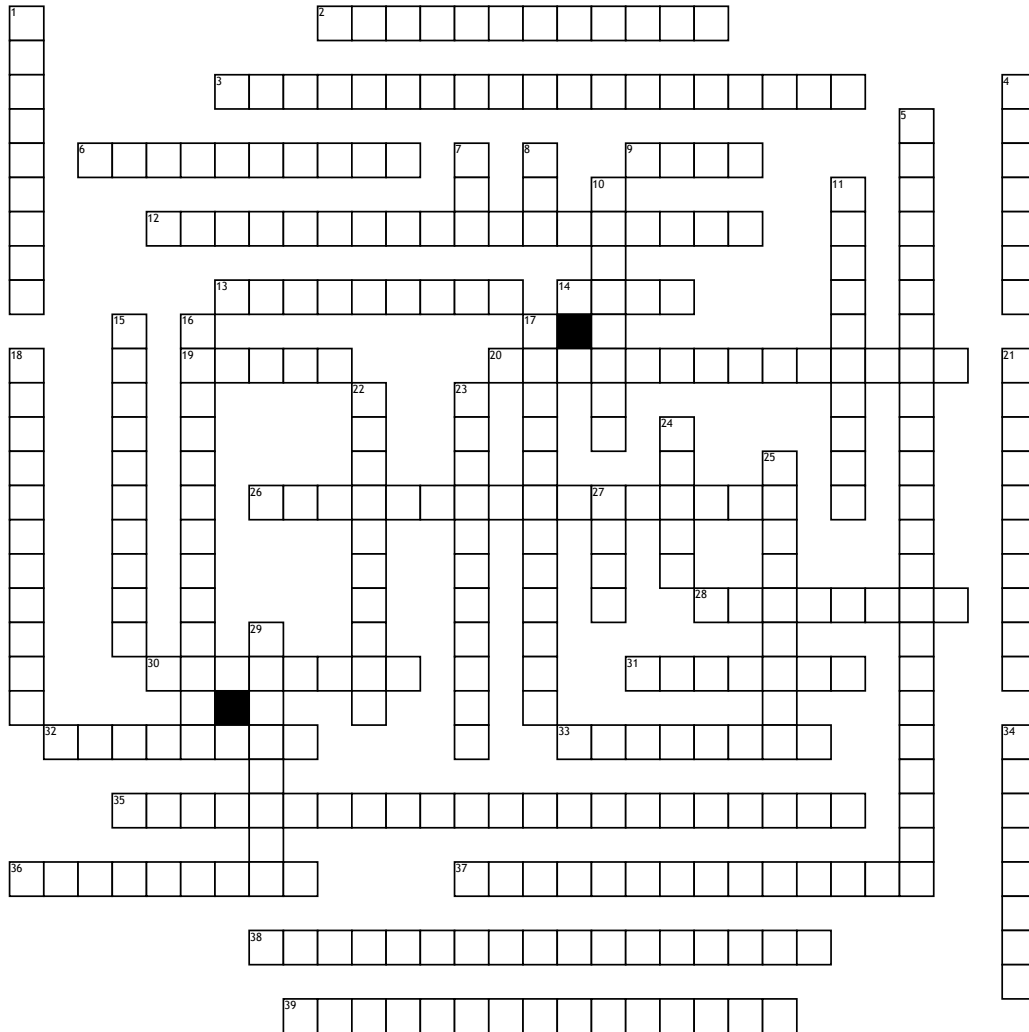


# Escherichia coli



## Across

2. During a gram stain procedure, E.coli can be classified as?

3. Why is there a change in pH in E.coli?

6. where is there gut microbe excreted? (1)

9. What is one resevoir for E.coli?

12. E.coli is a part of what family? (1)

13. During what period does the E.coli become more abundant in mothers?

14. E.colu may have a hair-like structure used for attachment to surfaces or other cells called?

19. The niche of E.coli is found in the thin layer of ? (1)

20. How is diarrheagenic E.coli transmitted from host to host?

26. Who was the German microbiologist and pediatrician who discovered the bacterium called Escherichia coli (1)

28. E.coli may have a whip-like structure for movement that is called?

30. The production if what, is a benefit to E.coli by its host?

31. Once in the mucus layer, where does E.coli grow?

32. What is E.coli's life cycle described as?

33. What is a major symptom of E.coli?

35. E.coli strains can enter into what kind of state?

36. The relationship between the E.coli and the host can be described as?

37. what plays a big role in the genome plasticity of E.coli?

38. E.coli can grow with or without the presence of oxygen, this characteristic is called?

39. foodborne or waterborne bacterium

## Down

1. what is a member of strains in E.coli that result in disease? (1)

4. What are infections in E.coli caused by ? (1)

5. What is a common symptom of a pathogenic E.coli ?

7. Where is E.coli most commonly found in the body?

8. What is a form of molecular detection for E.coli?

10. In order to prevent transmission, what conditions can be improved?

11. What countries are affected my E.coli the most?

15. what has sequencing uncover about E.coli? (1)

16. what does the human gut secrete?

17. where is E.coli isolated from?

18. What is one reason why E.coli is the most commonly used model organism in microbiology labs? (1)

21. E.coli can be harmless but is also what?

22. what is use a for diagnosis?

23. At what temperature in Celsius does E.coli grow? (2)

24. when does the relationship between the host and E.coli start?

25. what kind of toxin does there enterohemorrage strain of E. coli produce? (1)

27. E.coli has a commensal relationship with its? (1)

29. What is the morphological shape of E.coli?

34. Is E.coli oxidase positive or negative ?