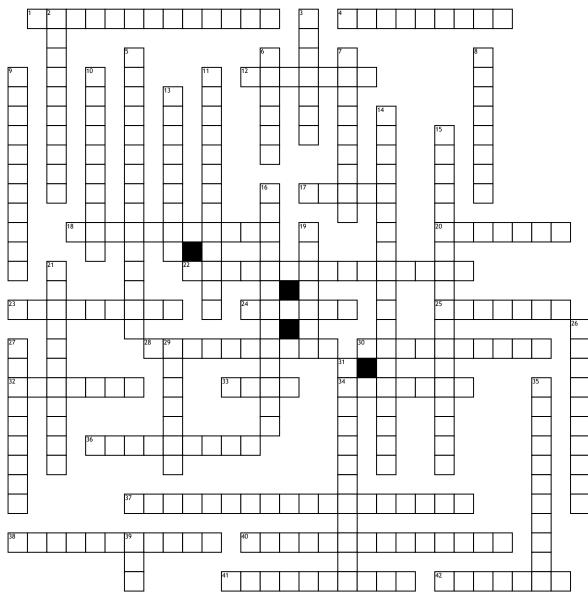
Name:	Date:	
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Escherichia coli



- 1. This is widespread within the genes of the species of E.
- 4. Affects the E. coli population survival rate of microbial communities
- 12. Substrate technology that uses an enzyme-substrate complex principles
- 17. EHEC produce this toxin which leads to cell death by irreparably inhibiting host cell protein synthesis
- 18. One of the normal stresses to bacteria in a natural
- 20. The most recognized serotype of EHEC of E. coli, has caused many outbreaks of water- and food-borne diseases in many countries (separated by a colon)
- 22. A pathogenic E. coli strain that causes extraintestinal diseases
- 23. The evolution of virulence is linked to this type of sex **24.** Factors that include other organisms and competition with other organisms
- 25. This type of EPEC is recognized as a pathogen
- 28. Due to repeated experience with antibiotics by the host consumption
- 30. Common outbreak source worldwide for pathogenic E.
- 32. Factors that relate to temperature, nutrient and water availability, and solar radiation

- **33.** Many strains of E. coli are resistant to this pH environment to pass through the stomach of animals and into the intestines
- 34. The environments that pathogenic E. coli strains can
- 36. This type of E. coli is part of the human gut microbiota 37. The main type of E. coli bacterium located in the
- **38.** The normal non-pathogenic E. coli found in the intestinal flora of animals
- 40. The strained of E. coli that possess invasive properties 41. Physical characteristics, such as biofilm formation
- 42. Country where there was a EHEC outbreak in 2011
- 2. This adaption, in E. coli, stems from phenotypic
- 3. An adhesive protein on the outer membrane that is encoded by the eae gene
- 5. This strained of E. coli produces one or more of the toxins from the enterotoxin families
- **6.** In 1997, this type of sequencing analysis was announced for E. coli 7. Diversity that seems to be common among
- environmental strains
- 8. Formed by bacteria on surfaces of aquatic environments

- **9.** E. coli does not have enough of this to discriminate against its host sources
- 10. The location the bacteria is normally found in warm-blooded animals
- 11. These produce haemorrhagic colitis and kill colonic
- enterocytes 13. A term that is connected with the presence of specific
- gene clusters, termed 'pathogenicity islands' 14. E. coli belongs to this class
- 15. E. coli is classified as a member of this family
- 16. One common cause of the outbreaks of disease related to human sources from food
- **19.** This technique was introduced for the first time for E. coli bacterium population
- 21. The genus of E. coli
- 26. In E. coli, this gene transfer is critical in new genes
- 27. E. coli has been known to cause this symptom
- 29. This can be produced using E. coli to develop gene
- 31. EIEC, EHEC, and EAggEC produce this type of diarrhoea
- 35. Around the cell, it causes an anoxic environment
- 39. This many million(s) of deaths a year are related to human pathogenic E. coli (spell out number)