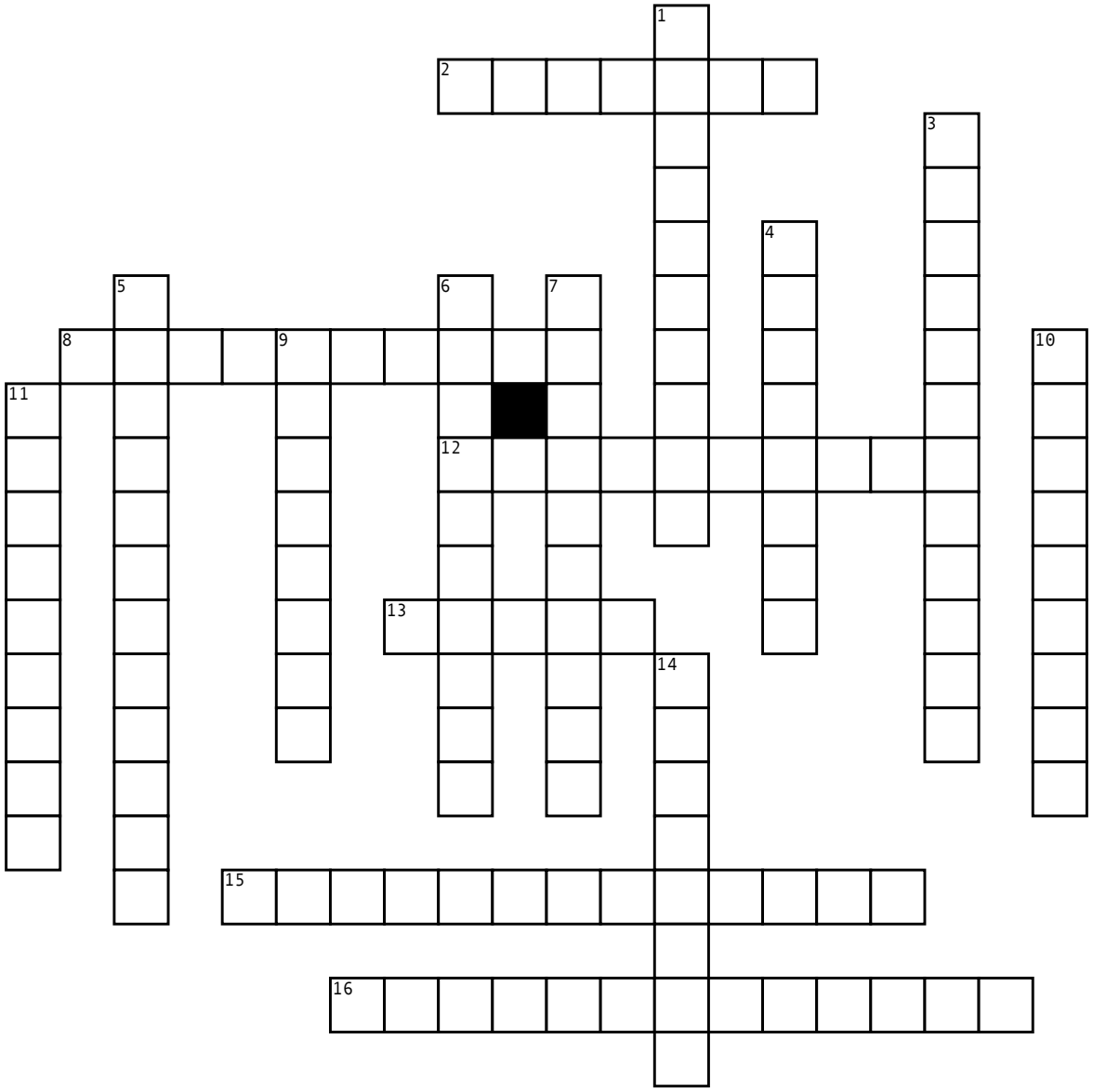
Name: _____ Date: _____

Engineering Disciplines



Across

2. Application of breaking down atomic nuclei

8. Creates systems to optimize complex processes, systems, and organizations

12. Applies engineering principles, mathematics, and physics to design and manufacture systems

13. Deals with design, construction, and maintenance of the physical and naturally built environment

15. Application of engineering to buildings, designs, and construction

16. Researches and develops tools, processes, and mechanics to efficiently produce quality products

Down

1. Uses principles of soil mechanics to investigate subsurface conditions and materials

3. Concerned with design, construction, and improvement of farming equipment and machinery

4. Uses principals of chemistry, physics, mathematics, and economics to use, produce, and transform materials.

5. Employs engineering to protect human health and infrastructure from environmental dangers

6. Applies engineering to medicine and biology for health care.

7. The study and application of electricity, electronics, and electromagnetism

9. Works with code and creates software systems in a systematic method

10. Concerned with activities to the production of hydrocarbons

11. Concerned with development of aircraft and spacecraft.

14. Designs automated systems that are used for manufacturing