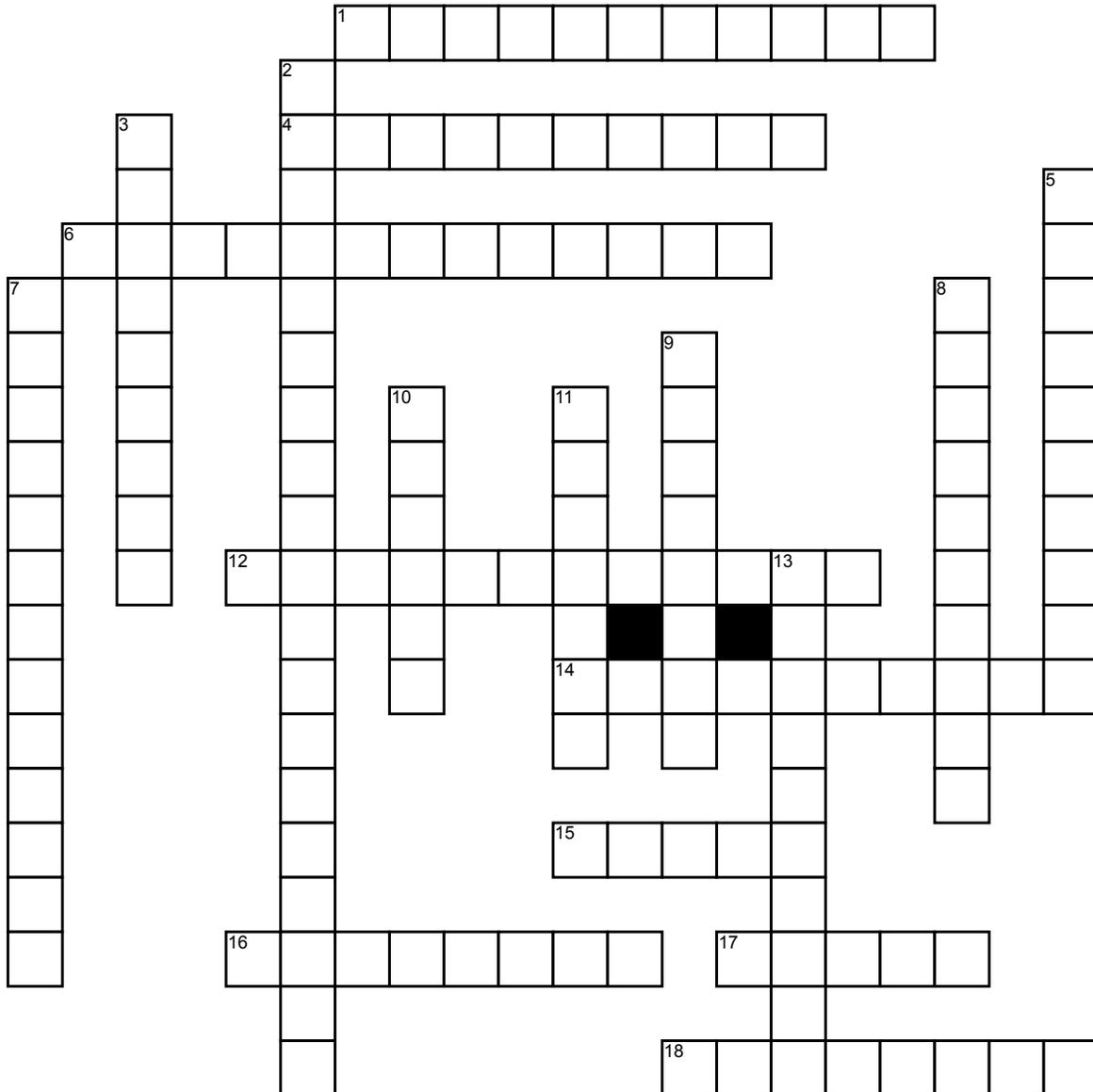


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Engineering Careers



**Across**

- 1. which branch of engineering that combines mechanical and electrical engineering and computer science?
- 4. Which branch deals with the optimization of complex processes, systems or organizations?
- 6. Which branch deals with the application of engineering principles and technology to building design and construction?
- 12. What is the branch of engineering deals with the design of agricultural machinery?
- 14. What field of engineering generally deals with the study and application of electricity, electronics, and electromagnetism.
- 15. Which branch works on the recording, manipulation using equalization and electronic effects, mixing, reproduction, and reinforcement of sound.
- 16. What is the branch of engineering dealing with sound and vibration?

- 17. Which branch of engineering deals with the built environment?
  - 18. What engineering branch deals with proper use chemicals, materials and energy.
- Down**
- 2. Which branch surveys land and collects soil and mineral samples to ensure that mines are constructed in areas that are economically beneficial?
  - 3. What is the primary field of engineering concerned with the development of aircraft and spacecraft.
  - 5. Which branch of engineering concerned primarily with the industrial application of mechanics and with the production of tools, machinery, and their products?
  - 7. Which branch deals with the application of engineering principles to improve and maintain the environment for the protection of human health and at-risk ecosystems?

- 8. Which branch deals with the application of engineering principles and design concepts to medicine and biology for healthcare purposes?
- 9. Which branch deals with the design and development of computer systems and other technological devices?
- 10. Which branch is concerned with the technical design of fixed and floating marine structures, such as oil platforms and offshore wind farms?
- 11. What is the field concerned with the application of management, design, and technical skills?
- 13. Which branch deals with mechanical engineering that concerns the design, development and manufacture of cars, trucks, motorcycles and other motor vehicles.