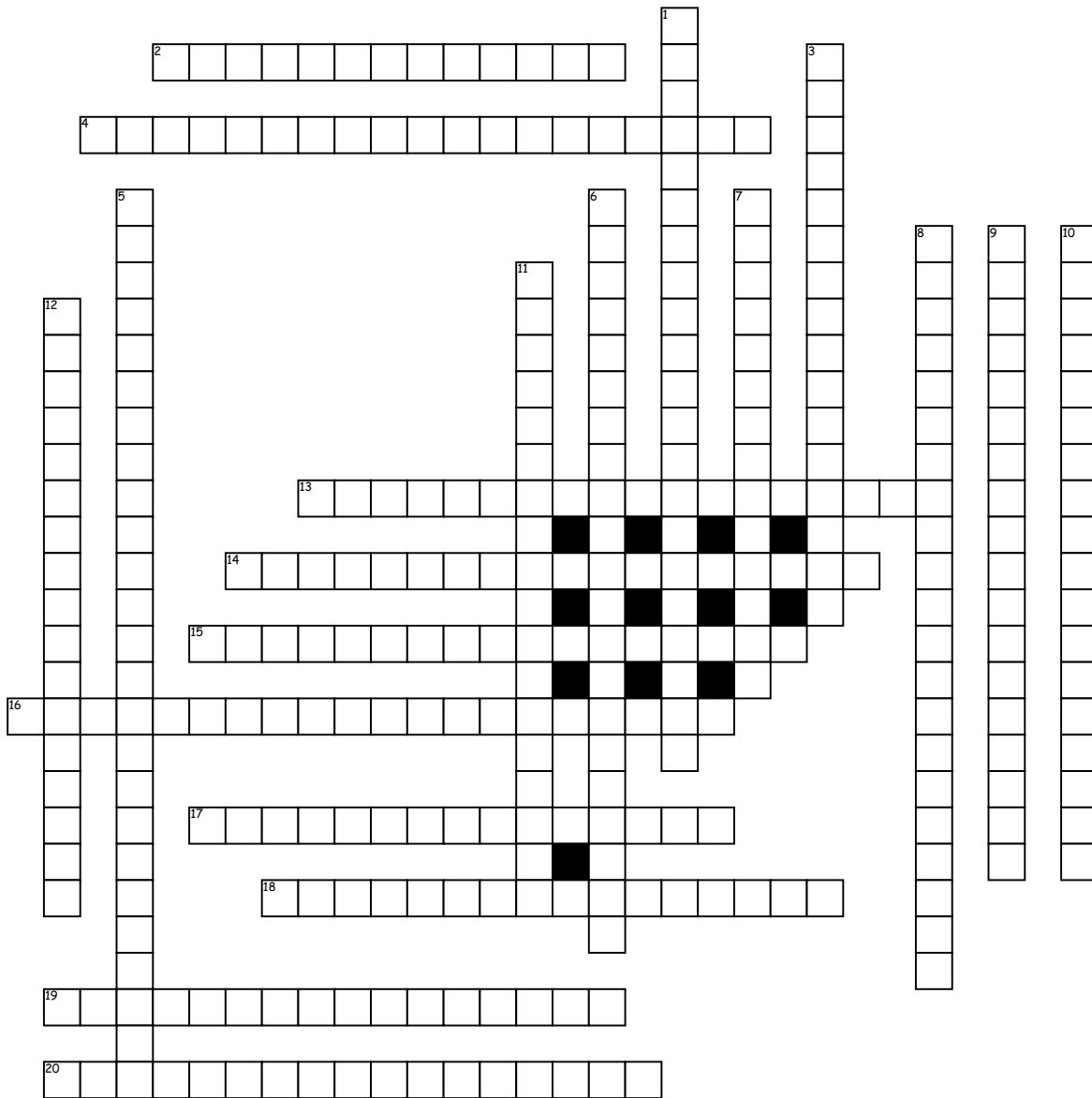Name: _____

Engineering Careers Project

Across

2. Specialize in road, bridges, buildings,and water supply design design and construction.

4. Manipulate and capture the vibration of sound by harnessing the best quality for hearing.

13. Specializes in power supply and generation

14. The study of motion , energy, and force. Seeks to control these elements by using a combination of material.

15. Focuses on the design and development of public transportation infrastructure and systems

16. covers Subjects from aquaculture ,to land farming and forestry.

17. Encompasses the practice of the profession on a nanoscale , which stems from the nanometer unit of measure, equivalent to one-billionth of a meter

18. Develop and and improve the software programs and hardware that make computers run

19. Utilize their knowledge of the physical world to manipulate the interactions of individual atoms and ,molecules

20. the study of the design, development, and production of air and space craft.

Down

1. Engineers that use science and engineering principles to protect and improve the environment

3. Specialists who are in charge of the design, development and maintenance of computer software for business and personal use

5. a career that allows an engineer to be involved in all stages of design process,from conception to presentation of the finished plans.

6. Focuses on optimizing complex processes or systems by reducing wastefulness in production

7. These engineers are responsible for the design and construction of seagoing vessels and structures.

8. Focuses on the support integrity of large developments such as buildings, bridges, and stadiums.

9. research,design and develop vehicles and their subsystems.

10. Work with a combination of biology, medicine, and engineering.

11. Involves geology, civil engineering , and fields such as mining,forestry and geography.

12. Specialize in designing and developing technology and methods for digging Earth's surface to extract oil and gas