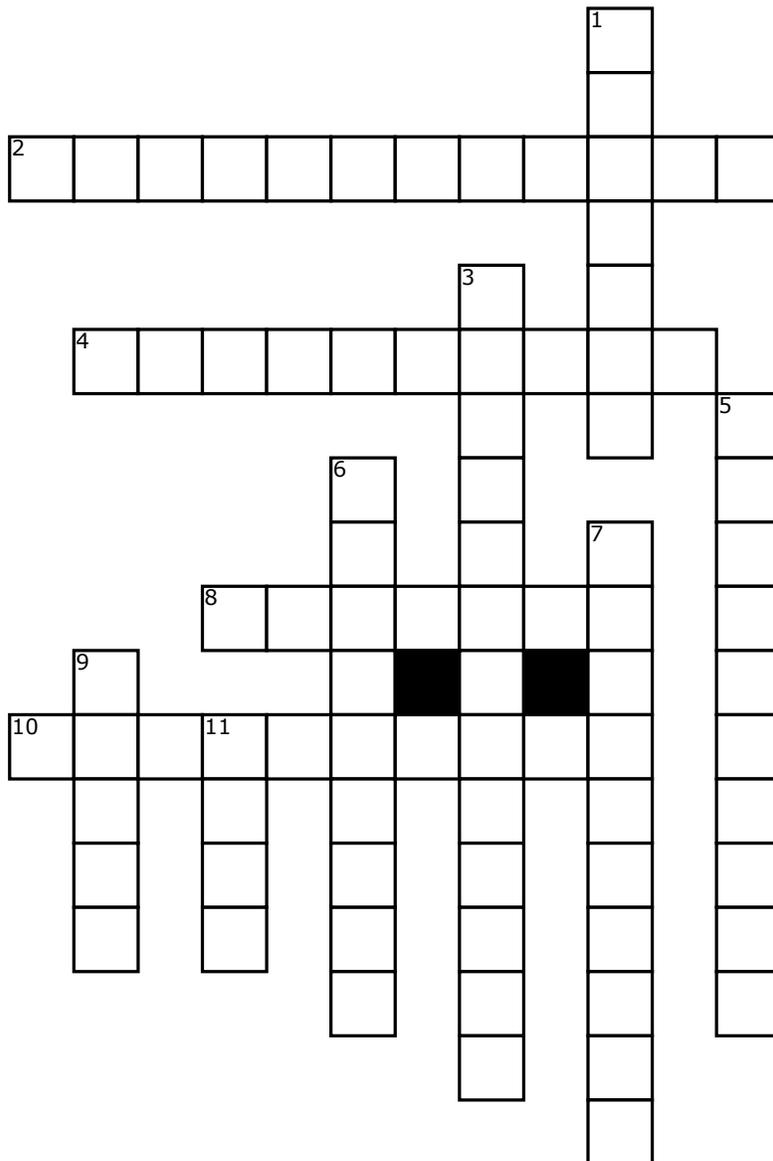# CORE TECHNOLOGIES

Across

2. devices that present simple, everyday tasks as complex machines integrating natural and technological devices.

4. the technology of putting together mechanical parts to produce, control, and transmit motion

8. the technology of producing light, using light for information collection, storage, retrieval, processing, and communication; and using light to do work

10. the technology of using small amounts of electricity for controlling, detecting, and information collecting, storing, retrieving, processing, and communicating

Down

1. the technology of producing, storing, controlling, transmitting, and getting work from heat energy

3. the technology of using, adapting, and altering organisms and biological processes for a desired outcome

5. the technology of putting mechanical parts and materials together to create supports, containers, shelters, connectors, and functional shapes

6. the technology of producing, altering, and combining materials for a desired outcome

7. the technology of producing, storing, controlling, transmitting, and getting work from electrical energy

9. the technology of using fluid, either gas (pneumatics) or liquid (hydraulic) to apply force or to transport

11. A group of resources (subsystems) working together to solve problems and extend human capabilities