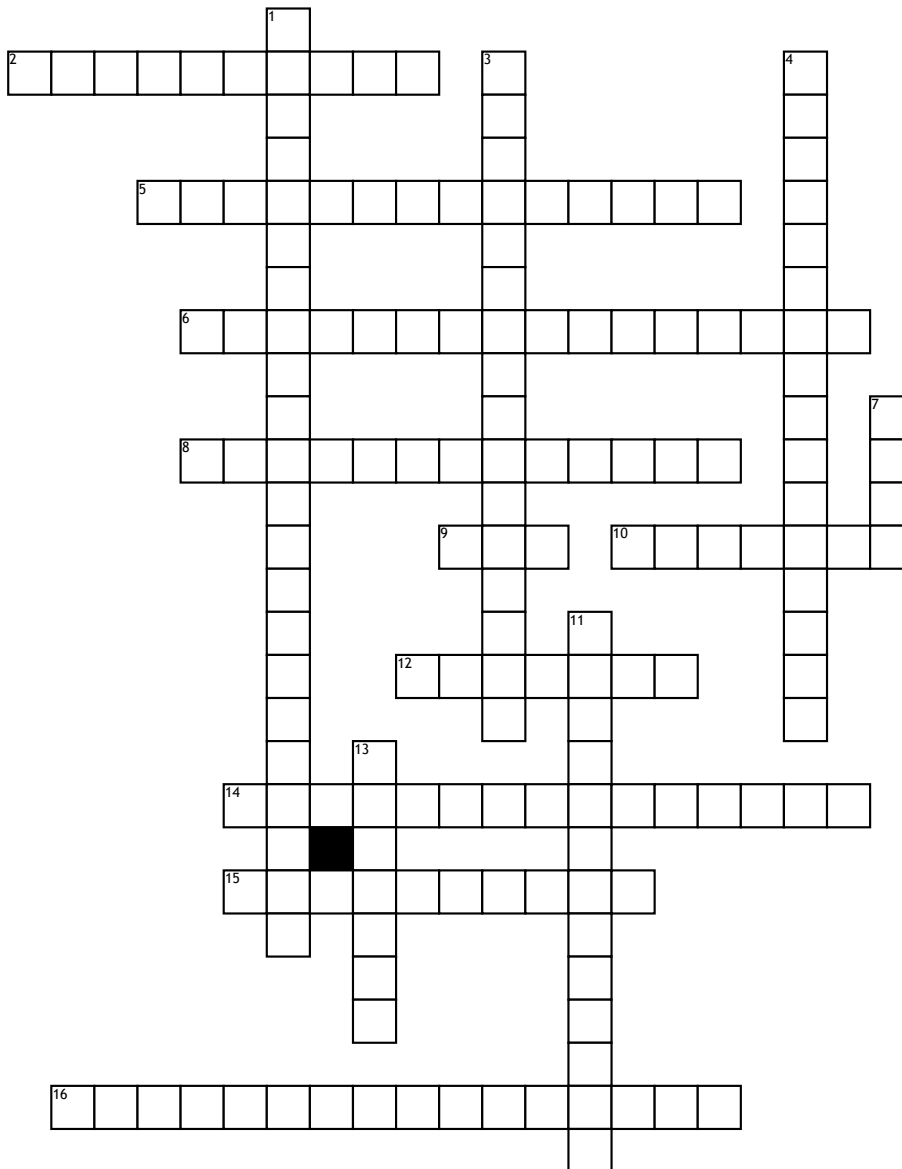


Name: \_\_\_\_\_

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

# Fossil Fuels



**Across**

- 2. A mixture of energy-rich gaseous hydrocarbons that occurs, often with oil deposits, in Earth's crust
- 5. Type of air pollution in which acid falls from the atmosphere to the surface as precipitation or as dry acid particles
- 6. A measure of the fraction of energy used relative to the total energy available in a given source
- 8. The amount of energy contained within a given volume or mass of an energy source. Gasoline has a higher energy density than dry wood, which in turn has a higher energy density than wet wood
- 9. A thick, yellow to black, flammable liquid hydrocarbon mixture found in Earth's crust; formed from the remains of ancient microscopic aquatic organisms
- 10. Point at which global oil production has reached a maximum rate

- 12. A liquid or gaseous fuel that is synthesized from coal and other naturally occurring resources and used in place of oil or natural gas
- 14. Underground geologic structures that tend to trap any oil or natural gas if it is present
- 15. Combustible deposits in Earth's crust, composed of the fossils of prehistoric organisms. Coal, oil, and natural gas are three types
- 16. Pollution caused when sulfuric acid and dangerous dissolved materials such as lead, arsenic, and cadmium wash from coal and metal mines into nearby lakes and streams

**Down**

- 1. A clean-coal technology in which crushed coal is mixed with limestone to neutralize the acidic sulfur compounds produced during combustion

- 3. The extraction of mineral and energy resources from deep underground deposits
- 4. Process of removing any material—sulfur or metals, for example—from polluted emissions or solid waste and selling it as a marketable product
- 7. Black, combustible solid composed mainly of carbon, water, and trace elements found in Earth's crust; formed from remains of ancient plants
- 11. The extraction of mineral and energy resources near Earth's surface by first removing the soil, subsoil, and overlying rock strata
- 13. Form of government support given to a business or institution to promote that group's activity