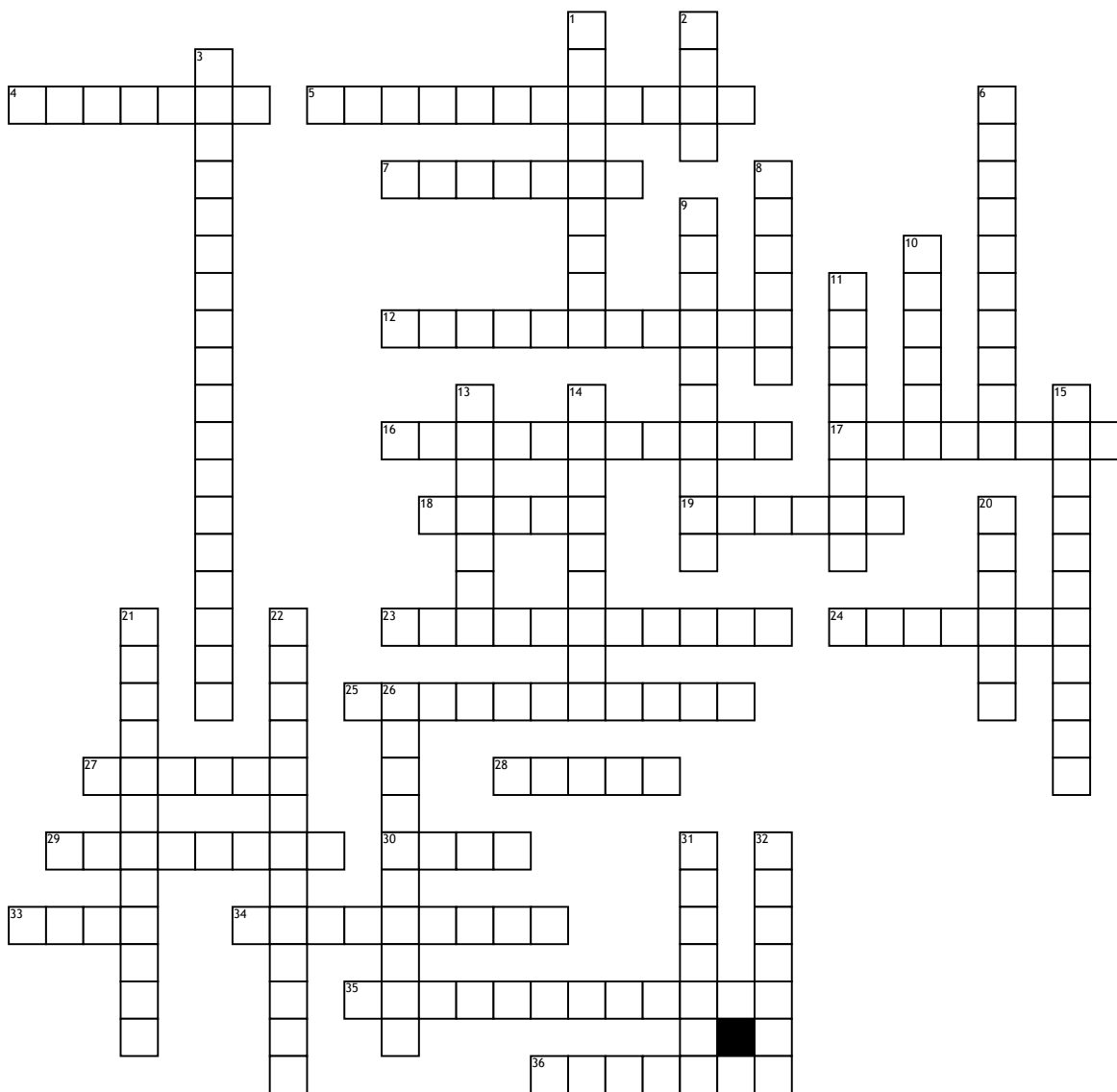


Fuels and Heats



Across

4. A compound with at least one double c-c bond is a member of which family

5. another word for knocking or pinking

7. this fraction contains petrol

12. A compound with Only Hydrogen and Carbon atoms is described as a....

16. A bomb ? measures the energy in foods and fuels/

17. This fraction contains jet fuel.

18. The word used to describe Carbon atom that form a ringed structure? -hexane is an example

19. This number is a measure of a fuels tendency to cause or avoid knocking

23. A compound that has at least one double or triple bond is described as: U....

24. The first member of the family with the general formula C_nH_{2n+2}

25. The word used to describe the geometry of a carbon atom that has all single bonds

27. The first member of the C_nH_{2n-2} family

28. The best chemistry teacher! Mr...

29. A compound with a Benzene ring in its structure is described as: A....

30. There is a LAW named after this scientist, used in heat calculations.

33. Crude oil, gas and ? are the main sources of hydrocarbon fuels

34. A compound that has carbons with all single bonds is described as: S....

35. The process of separating crude oil is fractional ?

36. Compounds with the same molecular formulas but different structural formulas.

Down

1. A hydrocarbon with a straight chain, branch or cyclic ring in its structure is described as: A....

2. The prefix given to a main chain of 3 carbon atoms

3. creating rings from a straight chain

6. The word used to described families that have the same general formula

8. The fourth member of the family with the general formula C_nH_{2n+2}

9. The scientific word for burning

10. The word used to describe the geometry of a carbon atom that has a double or triple bonds

11. Making smaller compounds from a larger one

13. A compound with at least one C-C triple bond is a member of which family

14. The unit that heat energy is measured in

15. a reaction that absorbs heat

20. The first member of the family with the general formula C_nH_{2n}

21. A method for producing Hydrogen gas.

22. changing the structure of a compound without changing its formula.

26. a reaction that releases heat

31. The type of water is used to test from the presence of a double or triple bond in a compound. It is also the name of an element.

32. A compound with all C-C single bonds is a member of which family