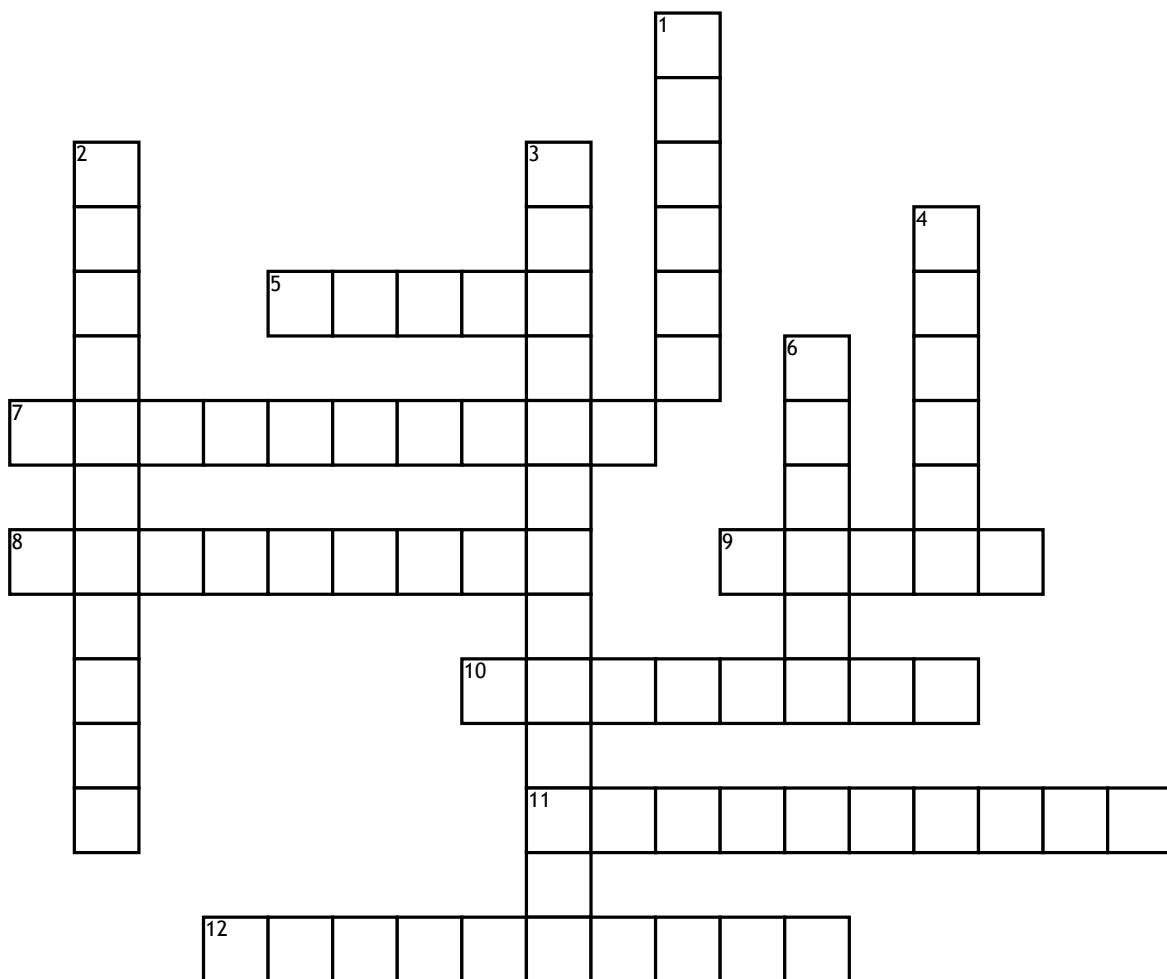


Name: _____

Date: _____

What do you remember about Hydrocarbons?



Across

5. Complete the word equation: ethane + oxygen ==> carbon dioxide + _____?

7. Another name for burning

8. Molecules in which all the carbon-carbon bonds are single, so the carbon atoms form bonds with as many other atoms as possible

9. Made when the hydrogen in a hydrocarbon fuel is oxidised

10. The type of combustion when there is plenty of oxygen (so the carbon and hydrogen are fully oxidised)

11. The type of combustion when there is insufficient oxygen to fully oxidise the hydrocarbon

12. When a hydrocarbon fuel is burned, it releases heat energy. What word do we use to describe a chemical reaction which releases energy?

Down

1. The gas which fuels react with when they burn

2. A molecule made of just carbon and hydrogen atoms

3. The gas made when the carbon in a hydrocarbon fuel is completely oxidised

4. Methane and ethane are examples of this type of hydrocarbon

6. The name of the alkane with 4 carbon atoms