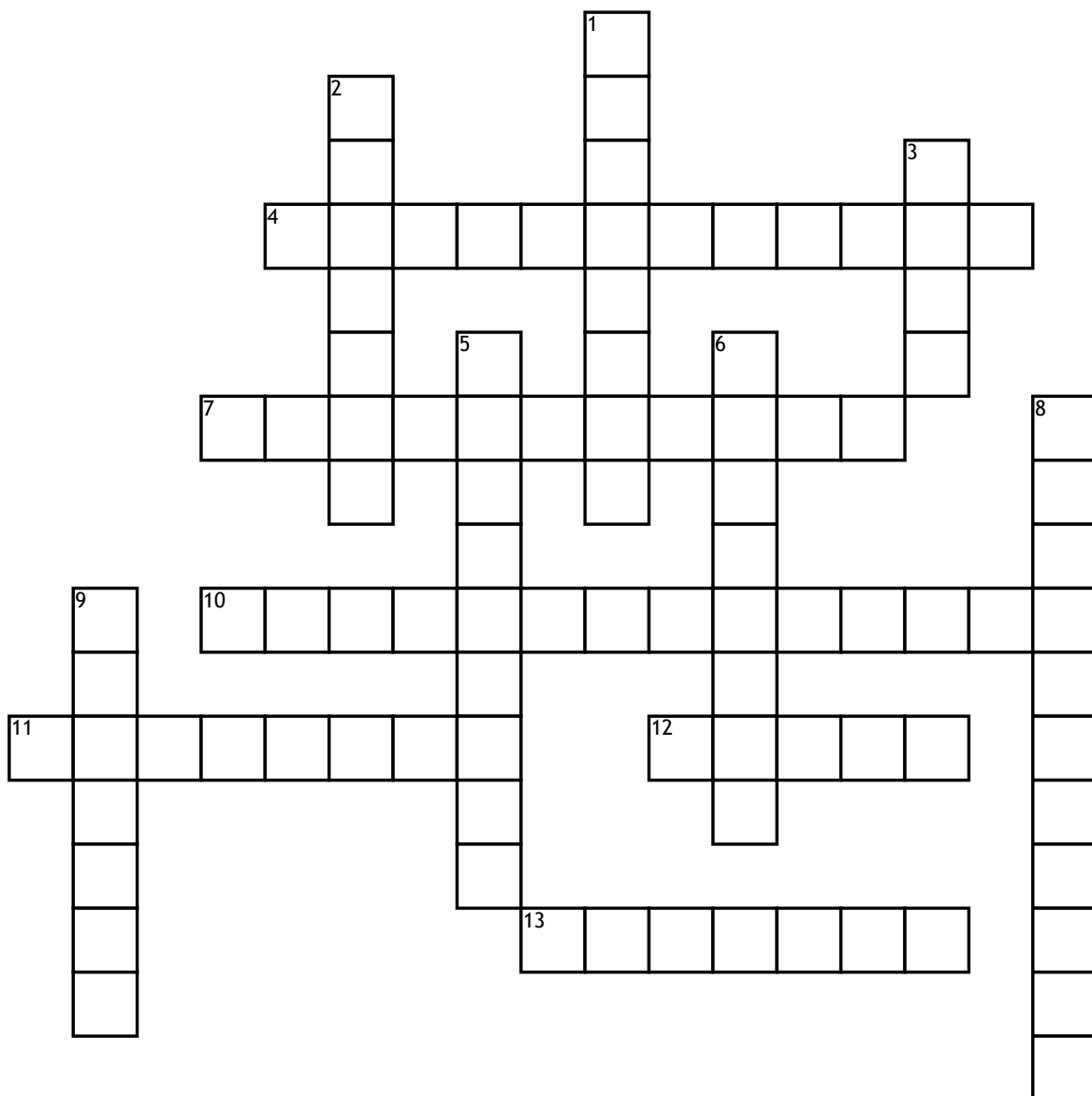


Name: \_\_\_\_\_

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

# Properties of alkanes



## Across

4. what are the weak intermolecular forces in alkanes called

7. When the chain length is longer what increases

10. the greater the \_\_\_\_\_ forces the greater the boiling point

11. what bonds are the carbon atoms joined to 4 other atoms

12. What bond is present when 2 orbitals overlap

13. what is the general formula of an alkane

## Down

1. which isomers have lower boiling points

2. what has the same molecular mass as alkanes

3. when alkanes react with oxygen what do they generate

5. what type of hydrocarbons are alkanes

6. what contains lots of different alkanes

8. what arrangement is around each carbon atom

9. what alkane has the formula of C<sub>3</sub>H<sub>8</sub>