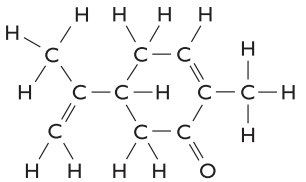
1

L-carvone

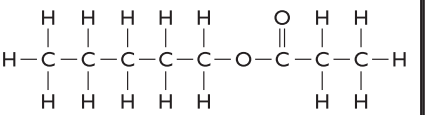


$C_{10}H_{14}O$

minty

2

pentyl propionate

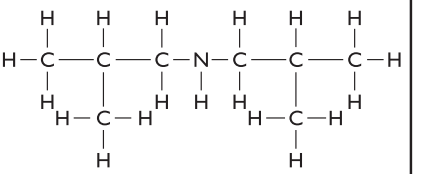


$C_8H_{16}O_2$

sweet

3

diisobutylamine

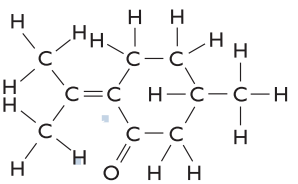


$C_8H_{19}N$

fishy

4

pulegone

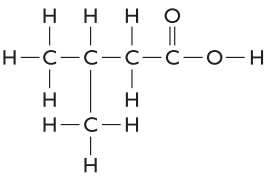


$C_{10}H_{16}O$

minty

5

isopentanoic acid

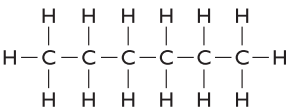


$C_5H_{10}O_2$

putrid

6

hexane

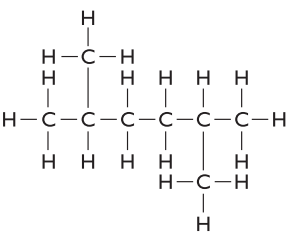


C_6H_{14}

gasoline

7

2,5-dimethylhexane

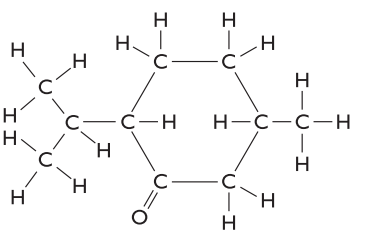


C_8H_{18}

gasoline

8

menthone

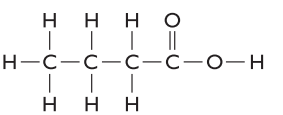


$C_{10}H_{18}O$

minty

9

butyric acid

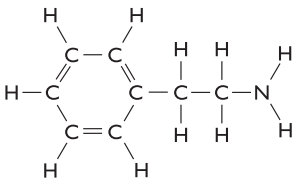


$C_4H_8O_2$

putrid

10

phenylethylamine

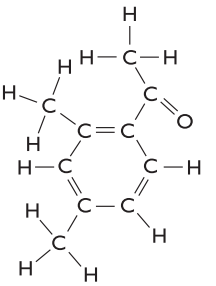


$C_8H_{11}N$

fishy

11

2,4-dimethylacetophenone

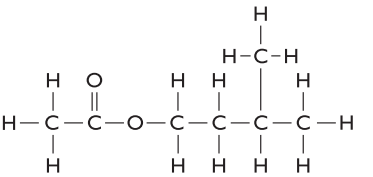


$C_{10}H_{12}O$

minty

12

isopentyl acetate

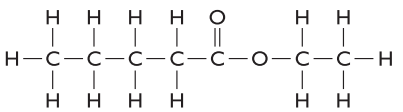


$C_7H_{14}O_2$

sweet

13

ethyl pentanoate

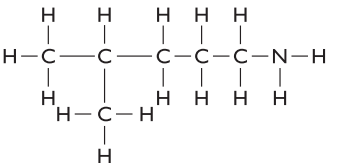


$C_7H_{14}O_2$

sweet

14

4-methylpentylamine

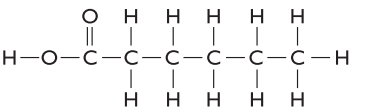


$C_6H_{15}N$

fishy

15

hexanoic acid

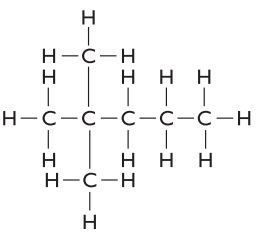


$C_6H_{12}O_2$

putrid

16

2,2-dimethylpentane

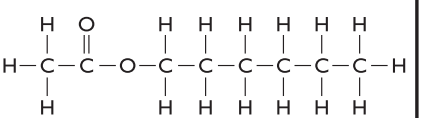


C_7H_{16}

gasoline

17

hexyl acetate

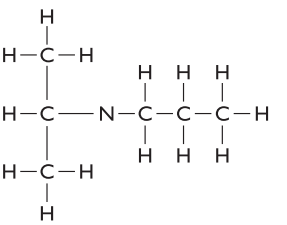


$C_8H_{16}O_2$

sweet

18

isopropyl propylamine

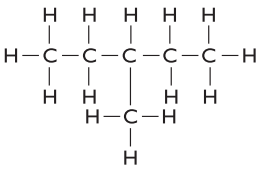


$C_6H_{15}N$

fishy

19

3-methylpentane

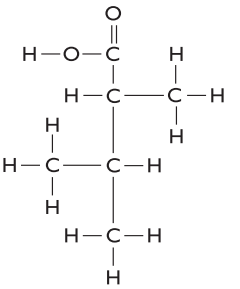


C_6H_{14}

gasoline

20

2,3-dimethyl butyric acid

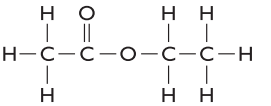


$C_6H_{12}O_2$

putrid

21

ethyl acetate



$C_4H_8O_2$

sweet

STRUCTURAL FORMULA

Card sort activity

Sort the cards according to each set of criteria. After each sorting, earch for patterns. Write down the patterns you find.

1. Sort the molecules according to the number of oxygen atoms they have.
2. Sort the molecules according to whether or not they have a ring structure.
3. Sort the molecules according to the number of carbon atoms they have.
4. Sort the molecules according to similarities in their names.
5. Sort the molecules according to their smells.
6. Think of another way to sort the molecules. Describe your sorting method and any patterns you discover.

STRUCTURAL FORMULA

Card sort activity

Sort the cards according to each set of criteria. After each sorting, search for patterns. Write down the patterns you find.

1. Sort the molecules according to the number of oxygen atoms they have.
2. Sort the molecules according to whether or not they have a ring structure.
3. Sort the molecules according to the number of carbon atoms they have.
4. Sort the molecules according to similarities in their names.
5. Sort the molecules according to their smells.
6. Think of another way to sort the molecules. Describe your sorting method and any patterns you discover.