Keinikies as Alesdroceurbon. Recey

Hydrocentoons are chemical compounds that contain the elements stylogen and carbon only. Coycele Oil is made up of a molecule of dissevent hydrocentoons. Me can separate them into dissent seactions from Snectional distilled on.

Hydrocerbons Jollow the seme rules so the alkene Jamily all end in "ane so the alkene Jemily all ends

Alken Alkene methane ethene Cthune propene propen beitene pentene Soutane hexence pertune Narung hydro carbon Jennihies Prefix Neurober of Corbons Meth Eth prop 3 Dut

fent
hex
hept
Oct

If it head 3 corbons, the fregix for 3 is propo As it is an alkeme then its eneling is one So our akkene with 3 carbons is propose

1. Rentener

2. Butene

3. Ethere

4. Methen

I - tono

5. ocure 6. 4 7. 4 6. Heptone

1.2 2.1 3. yes for every, cembons there is 4 hydrog m

CI Hy

1. C16 H20

2. Z27 H31

3. C40 H44

5 11

1. 630 H34

Propieme Family
Mow namy
Corbons?

Ame

3

Ritaine

enjer.

H - C- C- C- C- C- C- H H + H H H H H

b) H H H H H H H H

Menne mobile prolection Structurel

Methanis CH4 4-6.4 Ethere 2 C2H6 Hit 4 Ropen 3 C3 H8H-C-C-C-41 Berlem 4 C4 H10 H-ECC-C-H Hexame 6 Colly 4-6-6-6-4 Alkene Cumilis

beneval Johnwha this is used to link moderates of the same hydrocarbon femily, Same know how mu hydrogens could conform they herve. C2 H4 C3 H6 C5 H10 The general formula for an Alkene is CIH2 1. C6 H/2 2. C20 H40 3. C12 H24 4. C100 H200

Name Mumber 08 Maleular streetered

Myelrocembors Formula formula

Ethene 2 C2H4 C=C

propene 3 C3H6 C=C-C-H

H H

Butane 4 C4H8 H

C=C-C-H

H H H H Mextene 7 C2H16 H, C=C-C-C-C-C-C-H

Quick quis

1. Metheune CH4 H-C-H

H H H

Propen (348 H-C-C-C-H Propune C3 H6 15 (C= C-C- H) Balene C4H8 1 C= C-C-H a) (2x4)+2 $2. b) (2 \times 6) + 2$ (2x8)+2(2x5)+2e) (2x 600) +2 Saturated

.

_

A saturcited hyelvo ceerbon her mo spece for wome atoms
Whenes one saturcited as there is
no double bonds

Unsaturated

An unseiturated hydrocauto hus Uss hydrogens, so more Specee for others atoms.

Menes come unsaturated as My contain a double

We can use Bromene wester test ga Color Color Speat hydro curban Of Bromine water at start at on bromin Meures Brown Chew cheuse Oscale Mkenes none Brown Brown Scaturateel consulumideel unsedweeted Saturated Exem Quistion A saturated hydroceurbon hus no space for any other hydrogen atoms. Howen double bond to allow unather 2 hydrogen atoms to join it. Occup Manes generied CI Hu Somula:

Propone

It is setemated

Mkines general formula: C, Hn+2

Propene

H C= C-H H

It is unsaturated

Mydrocarbon; Pant 2

1. a) 2 b) ? c) d 4

2. City

3. Name of hydrocurbon Molecullur formula
Hexane Co His
Rentene C5 Hio
C2 He
Ropine C3 H5

4. Buterne

5. propine

6. Unseitweted news the hydroconbons
and a 2 hydrogen atoms cen
sain it.

7. Me Use a Bramine meter

Me know its positive by it changing from brown to the

8.a) C D A

a. C3He

10. a) D B C/E