



FOR GOD AND COUNTRY

ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

- **Subject :** Physical science Worksheet- 15 Class- 9
- **Date** 16.06.2020
- **Chapter:** Atomic Structure

Answer the following questions (MCQ) : (1×15)

- Question 1

Q.
What is fractional distillation?

answer choices

a process used to separate crude oil

a process used to burn up fuels

a way to make different products

how oil is extracted from the ground

- Question 2

Q.
Which of these substances is not a hydrocarbon?

answer choices

methane

ethane

propane

butane

ammonia

- Question 3

Q.
Fractional distillation separates crude oil based on the different _____ of the molecules in the mixture

answer choices

melting point

boiling point

freezing point

chemical reactivity

• Question 4

Q.
A fraction of crude oil is made up of:

[answer choices](#)

Hydrocarbons of similar chain lengths

Numbers

Large hydrocarbons

Alkenes only

• Question 5

Q.
Crude oil is made up of:

[answer choices](#)

Ethane

Butane

A mixture of different hydrocarbons

Extremely large hydrocarbons which are broken up once extracted

• Question 6

Q.
What process happens at each level in the fractionating column?

[answer choices](#)

Evaporation

Condensation

Combustion

• Question 7

Q.
What process happens as the crude oil enters the fractionating column?

[answer choices](#)

Evaporation

Condensation

Combustion

- Question 8

Q.
Where do short chain hydrocarbons collect?

answer choices

At the top

In the middle

At the bottom

- Question 9

Q.
Where do long chain hydrocarbons collect?

answer choices

At the top

In the middle

At the bottom

- Question 10

Q.
Shorter hydrocarbons have:

answer choices

Higher boiling points

Lower boiling points

- Question 11

Q.
What is crude oil separated by?

answer choices

colour

melting point

boiling point

temperature

- Question 12

Q.

What do we call the separated substances in crude oil?

answer choices

hydrocarbons

pieces

products

fractions

• Question 13

Q.
Which of these elements are found in a hydrocarbon

answer choices

carbon

oxygen

helium

hydrogen

• Question 14

Q.
Which fraction is the most VOLATILE?

answer choices

Petrol

LPG

Bitumen

Kerosene

• Question 15

Q.
Where is the HOTTEST part of the fractionation column

answer choices

top

right

bottom

left

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