



FOR GOD AND COUNTRY

ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

- **Subject :** Physical science **Answers of 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

Answer a process used to separate crude oil

Question 2

Q.

Which of these substances is not a hydrocarbon?

answer choices

- methane
- ethane
- propane
- butane
- ammonia

Answer 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

Answer boiling point

Question 4

Q.

A fraction of crude oil is made up of:

answer choices

- Hydrocarbons of similar chain lengths
- Numbers
- Large hydrocarbons
- Alkenes only

.Answer Hydrocarbons of similar chain lengths

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

Answer Butane

Question 6

Q.

What process happens at each level in the fractionating column?

answer choices

Evaporation

Condensation

Combustion

Answer Condensation

Question 7

Q.

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

answer choices

Evaporation

Condensation

Combustion

Answer Evaporation

Question 8

Q.

Where do short chain hydrocarbons collect?

answer choices

At the top

In the middle

At the bottom

Answer At the top

Question 9

Q.

Where do long chain hydrocarbons collect?

answer choices

At the top

In the middle

At the bottom

Answer At the bottom

Question 10

Q.

Shorter hydrocarbons have:

answer choices

Higher boiling points

Lower boiling points

Answer Lower boiling points

Question 11

Q.

What is crude oil separated by?

answer choices

colour

melting point

boiling point

temperature

Answer melting point

Question 12

Q.

What do we call the separated substances in crude oil?

answer choices

hydrocarbons

pieces

products

fractions

Answer fractions

Question 13

Q.

Which of these elements are found in a hydrocarbon

answer choices

carbon

oxygen

helium

hydrogen

Answer carbon

Question 14

Q.

Which fraction is the most VOLATILE?

answer choices

Petrol

LPG

Bitumen

Kerosene

Answer LPG

Question 15

Q.

Where is the HOTTEST part of the fractionation column

answer choices

top

right

bottom

left

Answer bottom

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