



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Subject- Physical science

Answers of Worksheet- 12

Class – 7

Date -22.04.2020

Chapter- Energy

- Q Answer the following questions (MCQ) :

(1×15):

• 1.

Which among the following is most energy efficient?

- D.
All are equally efficient

• 2.

In India and elsewhere, biomass can be obtained from

- B.
Sugarcane bagasse

• 3.

Solar cells are simple photovoltaic devices that convert solar energy directly into electricity and are manufactured from the second-most abundant element in the earth's crust. Name it.

-
- B.
Silicon

• 4.

Biogas is a methane-rich gas formed by fermentation of animal dung, human sewage and crop residue. The advantage(s) of biogas is/are:

-
- D.
All of the above

• 5.

In rural areas, this gas can be generated and used for cooking and lighting.

- A.
Biogas

• **6.**

Large amounts of solar energy is stored in the oceans and seas. The process of harnessing this energy is called

- A.
OTEC (ocean thermal energy conversion)

• **7.**

A much cheaper and lighter fuel extracted from crude oil is used to adulterate petrol in the ratio 3:1 (adulterant : petrol). It causes damage to the vehicle engine, besides leading to high emission levels. Name this common adulterant of petrol that most easily escapes detection.

-
- D.
Mobile oil

• **8.**

Some people object to wind turbines because:

- A.
They do not like windmills

• **9.**

Natural gas is transported mainly by

- A.
Pipelines

• **10.**

How much of the energy in burning coal reaches the consumer as electricity

- A.
1/3 (one-third)
nine-tenths)

• **11.**

Plastic was once hailed as the wonder material but is now becoming a serious environmental and health problem due to its non-biodegradable nature. Burning of plastics, especially PVC, releases the following harmful gas into the atmosphere.

- A.
Dioxins

• **12.**

The state's and citizens' responsibilities for environmental protection is enshrined in the Constitution of India in the following two articles:

- A.
38G and 58A

- **13.**

A device is fitted to motor vehicles to chemically reduce some gases produced by internal combustion engines like NO_x, CO, and HC into less harmful products. Name this device.

- A.
Catalytic converter

- **14.**

- The nodal agency for coordinating the energy conservation activities under
- D.
Bureau of Energy and Environment

- **15.**

.....of power consumed by Incandescent Bulbs gets wasted in the form of heat

- A.
60%

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