

Unit 3 - Week 1: Introduction to Bioenergy

Course outline

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Pre-requisite assignment

Week 1: Introduction to Bioenergy

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- [Lecture 02 - Oil Economy of the World](#)
- [Lecture 03 - Unit of Energy and Introduction of Bioenergy](#)
- [Lecture 04 - How Biomass Formed on the Earth](#)
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Quiz : Assignment 1

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Week 2: Basics of Biomass Technology & Biomass Resources

Week 3: Biofuels I

Week 4: Biofuels II

Week 5: Biofuels III

Week 6: Bio Power I

Week 7: Bio Power II

Week 8: Bioenergy Distribution & End Use For a Sustainable Future

Assignment 1

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-08-14, 23:59 IST.

1) Haber's process results in the production of

1 point

- methane
- ethane
- ammonia
- hydrogen

No, the answer is incorrect.
Score: 0

Accepted Answers:
ammonia

2) Haber's process requires the following combination of catalyst

1 point

- mercury
- uranium/ potassium
- iron/ aluminium oxide/ potassium oxide
- amylase

No, the answer is incorrect.
Score: 0

Accepted Answers:
iron/ aluminium oxide/ potassium oxide

3) The largest consumer of fossil fuel in modern agriculture is _____ production, for high yielding intensive agriculture.

1 point

- potash
- alumina
- phosphate
- ammonia

No, the answer is incorrect.
Score: 0

Accepted Answers:
ammonia

4) Peak oil theory concerns the long term area of conventional oil (and other fossil fuels) extraction and depletion was proposed in the year _____

1 point

- 1856
- 1906
- 1956
- 2006

No, the answer is incorrect.
Score: 0

Accepted Answers:
1956

5) Renewable energy is a form of energy capable of being _____ by natural processes at reasonable rates.

1 point

- generated in millenia
- broken
- decomposed
- constantly regenerated

No, the answer is incorrect.
Score: 0

Accepted Answers:
constantly regenerated

6) Biomass is also used for transportation fuel (_____) and to provide residential and commercial space heating.

1 point

- benzene
- charcoal
- ethanol
- graphene

No, the answer is incorrect.
Score: 0

Accepted Answers:
ethanol

7) For 1 cubic feet of Natural gas, energy equivalency in btu is

1 point

- 1.028
- 10.28
- 102.8
- 1028

No, the answer is incorrect.
Score: 0

Accepted Answers:
1028

8) Which report stated that oil production in US will peak between 1965-1970 and will decline later

1 point

- Michaelis Menten theory
- Lineweaver-Burk theory
- Theory of relativity
- Hubbert peak theory

No, the answer is incorrect.
Score: 0

Accepted Answers:
Hubbert peak theory

9) Balance the following reaction: $x\text{H}_2 + y\text{N}_2 \rightarrow z\text{NH}_3$

1 point

- x = 1, y = 2, z = 3
- x = 1, y = 3, z = 2
- x = 2, y = 1, z = 3
- x = 3, y = 1, z = 2

No, the answer is incorrect.
Score: 0

Accepted Answers:
x = 3, y = 1, z = 2

10) Which of these do not use photosynthesis to produce food

1 point

- Algal ecosystems
- Mountain ecosystems
- Life forms around deep sea hydrothermal vents
- Dessert ecosystems

No, the answer is incorrect.
Score: 0

Accepted Answers:
Life forms around deep sea hydrothermal vents