

Energy from living is biomass energy. It is organic and is produced from material obtained from living entities – animals and plants. Most common forms of biomass materials are wood, plants and wastes which are known as biomass feedstocks.

**1. Biomass is used in the production of**

- (a) fibres
- (b) chemicals
- (c) transportation fuels
- (d) biochemicals

**Answer: (c)**

**2. Production of bioethanol is through fermentation of \_\_\_\_\_ and starch components**

- (a) alcohol
- (b) sugar
- (c) milk
- (d) acid

**Answer: (b)**

**3. This is also called a biogas**

- (a) biobutanol
- (b) biodiesel
- (c) bioethanol
- (d) biomethane

**Answer: (d)**

**4. In biomethane, the percentage of carbon dioxide is**

- (a) 55-60
- (b) 35-45
- (c) 30-40
- (d) 32-43

**Answer: (c)**

**5. By-products generated during the rectification of bioethanol is utilized as**

- (a) sheep feed
- (b) cow feed
- (c) dog feed
- (d) pig feed

**Answer: (c)**

6. Bioethanol is mixed with \_\_\_\_\_ to prepare transport fuel

- (a) oil
- (b) petrol
- (c) kerosene
- (d) diesel

**Answer: (b)**

7. Bioethanol is denatured alcohol, also referred to as

- (a) methylene
- (b) ethylene
- (c) ethylene glycol
- (d) methylated spirit

**Answer: (d)**

8. This forestry material is used as biomass

- (a) fish oil
- (b) logging residues
- (c) manure
- (d) tallow

**Answer: (b)**

9. The aerobic digestion of sewage is utilized in the production of

- (a) metal articles
- (b) biofuels
- (c) biomass
- (d) synthetic fuels

**Answer: (b)**

10. This is an example of starch crops biomass feedstocks

- (a) corn stover
- (b) wheat straw
- (c) orchard prunings
- (d) sugar cane

**Answer: (d)**