✅ Biofuel & Energy Quiz

Biology A · Unit 3 · Level 2 (modified). 13 questions · 3 choices each · 1 point each.

Name: _____

Circle the best answer. You may have the questions read aloud.

1. ⚡ Energy has mass.

A. True | B. False | C. Only light has mass

2. 🧱 Matter takes up space.

A. False | B. Only solids do | C. True

3. 🍎 What type of energy can all living things use directly?

A. Chemical energy | B. Light energy | C. Mechanical energy

4. 🪨 A boulder at the edge of a cliff has…

A. Kinetic energy | B. No energy | C. Potential energy

5. 🧈 Gram for gram, lipids give more energy than glucose because…

A. They have more high-energy C-H and C-C bonds | B. They are lighter | C. They have more oxygen

6. 🐣 A good fuel organism makes ___ offspring each year.

A. Few (low) | B. Many (high) | C. Zero

7. 🌾 A good fuel organism needs ___ fertilizer.

A. A lot (high) | B. Little (low) | C. Only salt

8. 🚌 Burning biodiesel: chemical energy → ___ → mechanical.

A. Heat | B. Light | C. Matter

9. 💨 When fuel burns, it uses oxygen and releases…

A. Oxygen and sugar | B. Only smoke | C. Water and carbon dioxide

10. 🔥 In an exothermic reaction, energy is…

A. Released (it gets hot) | B. Taken in (it gets cold) | C. Not changed

11. ♻️ Which fuel is a renewable biofuel?

A. Coal | B. Gasoline | C. Ethanol

12. 🌿 Which process does NOT put carbon dioxide into the air?

A. Burning | B. Photosynthesis | C. Breathing

13. 🔄 Algae biofuel keeps the carbon cycle balanced because carbon dioxide is…

A. Only made | B. Used and made | C. Only used