✅ Biofuel & Energy Quiz · ANSWER KEY

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. Gen ed #9

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

2. 🧱 Matter takes up space. Gen ed #10

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

3. 🍎 What type of energy can all living things use directly? Gen ed #16

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

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

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

5. 🧈 Gram for gram, lipids give more energy than glucose because… Gen ed #19

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. Gen ed #1

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

7. 🌾 A good fuel organism needs ___ fertilizer. Gen ed #2

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

8. 🚌 Burning biodiesel: chemical energy → ___ → mechanical. Gen ed #22

A. Heat | B. Light | C. Matter

9. 💨 When fuel burns, it uses oxygen and releases… Gen ed #23

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

10. 🔥 In an exothermic reaction, energy is… Gen ed #24

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

11. ♻️ Which fuel is a renewable biofuel? Gen ed #26

A. Coal | B. Gasoline | **C. Ethanol**

12. 🌿 Which process does NOT put carbon dioxide into the air? Gen ed #27

A. Burning | **B. Photosynthesis** | C. Breathing

13. 🔄 Algae biofuel keeps the carbon cycle balanced because carbon dioxide is… Gen ed #28

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

Answers

1-B · 2-C · 3-A · 4-C · 5-A · 6-B · 7-B · 8-A · 9-C · 10-A · 11-C · 12-B · 13-B

Reworded from the gen ed “Algae Biofuel Final Exam (Canvas quiz, 29 Qs) + A2.10 Algae Biofuel Review”. Score: __ / 13.

🔑 *Questions tagged “Gen ed #” use the answers stored in her Canvas Algae Biofuel Final Exam (reworded). “From review” = written by our team from her A2.10 review, please check. Her paper Algae Test (32 pts) is not in the export; this modified test stands in for it.*