Exam 2 Review Pre-Lecture Class

History for 'Exam 2 Review Quiz'

Item: Exam 2 Review Quiz

Score: 100% (Calculated)

Due: Tuesday, October 07, 2014 7:59 AM

Submitted: Monday, October 06, 2014 10:41 PM

Answers:

1. What can Antarctic ice core samples tell us about atmospheric CO2 levels? Select all that apply.

- [x] CO2 ice core data confirms CO2 measurements taken directly from the atmosphere.
- [ ] Ice cores can tell scientists exactly what plants lived on Earth centuries ago.
- [x] Ice cores can help scientists estimate atmospheric CO2 levels from centuries ago.
- [ ] Nothing—ice is made of H2O and not CO2.

Score: 1 of 1

2. Which of the following things are made (in part) of carbon? Select all that apply.

- [x] certain gases in the atmosphere
- [x] the glucose/sugars in fruits
- [x] the shells of clams and other mollusks
- [x] limestone at the bottom of the sea

Score: 1 of 1

3. In a food web, which of the below organisms converts the carbon in animal

carcasses or waste back to atmospheric CO2? Select all that apply.

- [x] fungi
- [ ] algae
- [x] decomposers
- [ ] primary producers

Score: 1 of 1

4. Based on the energy and carbon sources of humans, how would humans be classified?

- [ ] as chemoautotrophs
- [ ] as photoheterotrophs
- [ ] as photoautotrophs
- [x] as chemoheterotrophs

Score: 1 of 1

5. Organisms belonging to the Bacteria branch of the Tree of Life can demonstrate which of the following processes? (Select all correct choices.)

- [x] anoxygenic photosynthesis
- [x] fermentation
- [x] oxygenic photosynthesis
- [x] aerobic respiration
- [x] anaerobic respiration

Score: 1 of 1

6. An organism that oxidizes H_2S to gain energy and utilizes CO_2 as a carbon source (to generate carbohydrates) would be classified as a:

- chemoautotroph.
- photoheterotroph.
- chemoheterotroph.
- photoautotroph.

Score: 1 of 1

7. N_2 is an end product of _____; NH_3 is an end product of _____.

- anammox; nitrogen fixation
- nitrogen fixation; anammox
- anammox and denitrification; nitrogen fixation
- denitrification; anammox and nitrogen fixation

Score: 1 of 1

8. For the first 2 billion years of its history, Earth's atmosphere lacked (or had very little) oxygen. Which of the following organisms produced much of the oxygen that now makes up the current atmosphere of Earth?

- euryarchaeota
- hyperthermophiles