

DataStreme Earth's Climate System

ANNOUNCEMENTS and ANSWER KEY

Week Nine: 31 October – 4 November 2016

Don't forget to vote!

ANNOUNCEMENTS

4 November 2016

1. In your weekly mentoring sessions, be sure to focus your participant's attention on his/her Plan of Action for working with their colleagues following completion of the course. The Plan will be collected electronically on the course evaluation, about the time of your final meeting. Recall that we also want you to forward an electronic copy of each participant's sample Lesson Plan to DataStreme Central for our reference and use with reporting agencies.

We especially appreciate hearing of impacts that DataStreme Earth's Climate System has had on teachers and students. If you hear of such circumstances, please let us know.

2. Certificates for distribution at the final course meeting will be sent to LIT leaders soon. We will use the electronic questionnaires and surveys again this term. You will be sent procedures separately for administering those End-of-Course Surveys.

ANSWER KEY

A. CHAPTER PROGRESS QUESTIONS:

1. all of these
2. past
3. do not
4. decades
5. is
6. oxygen
7. speleothems
8. rings
9. both of these
10. varves
11. Pleistocene
12. False
13. eustatic
14. polar amplification
15. Little Ice Age
16. [as appropriate by participant]

17. [as appropriate by participant]

Check for completion of Questions 16 and 17. Mentors use the participant's answers to dialogue on how the course is going and use in their classes.

B. CONCEPT OF THE WEEK:

1. does not
2. annual

C. INVESTIGATIONS RESPONSES:

INVESTIGATION 9A:

1. 55
2. ^{18}O
3. both of these
4. decrease
5. increase
6. 90%
7. 0%

INVESTIGATION 9B:

Note: The video on methane hydrates was removed from the web. No replacement could be found, so that your participants cannot be responsible for these questions – disregard.

1. carbon
2. *Related video unavailable, please disregard*
3. *disregard*
4. *disregard*
5. *disregard*
6. +12 °C
7. 300 m
8. yellow
9. gas hydrates
10. Thermogenic

CURRENT CLIMATE STUDIES 9

1. both of these
2. Midwest and Northeast
3. all regions
4. southern and northwestern
5. all of these
6. all of these
7. Northwest

8. many basins
9. irrigation
10. nearly every region of the country
11. 32
12. Northeast
13. increased
14. did
15. large river basins
16. all of these
17. Fort Collins, CO
18. all of these

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