

# DataStreme ECS

## ANNOUNCEMENTS and ANSWER KEY

Week Four: 19 - 23 September 2016

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### ANNOUNCEMENTS

23 September 2016

1. It is about time for the mid-course DataStreme ECS meeting, if you are having one. You should be sure everyone is up to speed with the course and is handling all the electronic and internet files.
2. The DataStreme ECS *Plan of Action* will be linked in the Week Six Current Studies prior to the fall term's first break. (It will also be linked from the Forms of this Answer Key page.)

### ANSWER KEY

#### A. CHAPTER PROGRESS QUESTIONS:

1. converted to other forms
2. ultraviolet, X-rays, gamma rays
3. decrease
4. directly
5. constant
6. water vapor
7. reflected
8. decreases
9. temperature
10. heat
11. Kelvin
12. cooling
13. conduction
14. density
15. slightly after
16. [as appropriate by participant]
17. [as appropriate by participant]

Please check for responses to Questions 16 and 17. Mentors should also focus on the answers submitted to these items for dialogue. Please follow up if a participant fails to respond to either item.

## **B. CONCEPT OF THE WEEK:**

1. less
2. deciduous

## **C. INVESTIGATIONS RESPONSES**

### *INVESTIGATION 4A:*

1. decrease
2. longer
3. 100%
4. selectively at different wavenumbers
5. an increase
6. 2350
7. will not
8. increasing
9. decreases
10. 2.2
11. 2

### *INVESTIGATION 4B:*

1. 30
2. 6
3. 25
4. 5
5. the same as
6. 80
7. 80
8. 540
9. decreases
10. 592
11. 677
12. 597
13. 677
14. 800
15. 100
16. 592
17. 6845
18. environment to ice or water
19. 6845
20. both energy and mass
21. 20,000
22. 53,000
23. 3310
24. 16

25. water
26. 106
27. 6.6
28. water
29. water
30. lesser
31. later
32. is

*CURRENT CLIMATE STUDIES 4*

1. ocean
2. upward
3. positioned in the seawater somewhere below the ocean surface
4. western North Pacific Ocean
5. Alert Level 2
6. negative and positive, but mostly negative
7. past
8. cooled slightly
9. 2 to 4
10. Northeast
11. 5
12. all of these
13. mitigation
14. adaptation
15. mitigation

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