

WEATHER OR NOT INVITATIONAL ANSWER KEY

STATION A

1. D
2. C
3. A
4. B

STATION G

25. D
26. C
27. B
28. A

STATION M

49. C
50. B
51. A
52. A

STATION B

5. C
6. E
7. B
8. A

STATION H

29. B
30. C
31. A
32. A

STATION N

53. D
54. E
55. A
56. A

STATION C

9. D
10. A
11. A
12. B

STATION I

33. E
34. D
35. B
36. A

STATION O

57. E
58. C
59. A
60. B

STATION D

13. A
14. E
15. B
16. B

STATION J

37. A
38. C
39. A
40. B

STATION P

61. D
62. D
63. A
64. A

STATION E

17. E
18. E
19. A
20. A

STATION K

41. C
42. C
43. A
44. A

STATION Q

65. E
66. E
67. B
68. A

STATION F

21. B
22. A
23. B
24. A

STATION L

45. C
46. D
47. B
48. B

STATION R

69. E
70. D
71. A
72. B

STATION S

73. What is the Greenhouse Effect?

In order to receive full credit, the answer must include (or be related to):

- The Greenhouse Effect is the process in which certain gases trap heat in the Earth's atmosphere.

The answer may include:

- Greenhouse gases are the gases responsible for trapping heat in the atmosphere.
- The Greenhouse Effect increases the average temperature of the Earth.
- Examples of greenhouse gases, such as carbon dioxide, methane, and water vapor.
- The Greenhouse Effect is responsible for Global Warming/Climate Change.
- Any other information that supports the answer and relates to the prompt.

Since students are only given 1 minute to answer this prompt, and because this station is used for tie-breaking only, do not look for too much detail in the answer. Formality and quality of the answer should be considered in grading the essay. The answer should address the topic and show an understanding of the question provided to receive full credit.

A 5/5 should only be given to essays with a great quality of understanding. Overall, correct spelling on these essays should be expected. A 4/5 should be given to essays that address the answer but do not show much depth in its understanding.

A blank essay sheet receives a score of 0/5. A completely off-topic answer receives a score of 1/5.

Example 5/5 Essay:

The Greenhouse Effect is the process in which certain gases trap heat in the Earth's atmosphere that would have otherwise been radiated into space. This heats up the Earth's atmosphere and increases the average temperature of the Earth. Greenhouse gases, such as carbon dioxide and methane, are responsible for this process.

Example 4/5 Essay:

The Greenhouse Effect is when gases make the Earth warm by trapping heat. This is caused by gases such as carbon dioxide.

Example 3/5 Essay:

The Greenhouse Effect makes the Earth warm and bad for people to live in cause it cause global warming. This can have bad impact on people and animals and they can DIE!!!!

Example 2/5 Essay:

The Greenhouse Effect is a bad thing. We must do everything to stop it because it can be dangerous to people.

Example 1/5 Essay:

Global Warming is when thunderstorms form over cold air masses. This is caused by differences in temperature in the atmosphere.

STATION T

74. What is the difference between weather and climate?

In order to receive full credit, the answer must include (or be related to):

- Weather applies to a short period of time, while climate applies to a long period of time.
- The answer must explain what both climate and weather to receive at least a 4/5.

The answer may include:

- Climate is usually determined by time periods of around 30 years.
- Weather describes a short-term state of the atmosphere.
- Climate describes long-term weather patterns.
- Any other information that supports the answer and relates to the prompt.

Since students are only given 1 minute to answer this prompt, and because this station is used for tie-breaking only, do not look for too much detail in the answer. Formality and quality of the answer should be considered in grading the essay. The answer should address the topic and show an understanding of the question provided to receive full credit.

A 5/5 should only be given to essays with a great quality of understanding. Overall, correct spelling on these essays should be expected. A 4/5 should be given to essays that address the answer but do not show as much depth in its understanding.

A blank essay sheet receives a score of 0/5. A completely off-topic answer receives a score of 1/5.

Example 5/5 Essay:

Weather describes a short-term state of the atmosphere, while climate is the average pattern of weather for a particular region, usually over a 30 year time period.

Example 4/5 Essay:

Weather and Climate are different because weather is short-term and climate is long-term.

Example 3/5 Essay:

Weather and Climate are different weather is what happens now.

Example 2/5 Essay:

Weather and Climate are diferent cause they are different mesaurments of 2 diferent things.

Example 1/5 Essay:

Weather is long term while Climate is short term.

If the essay score lands between two scores (like a 4.5), round up. If you are unsure, give the essay the benefit of the doubt. These are only used for tie breakers, so the essay will most likely not be the factor that determines the final result! If two tie breakers have the same essay score, the student pair with the better quality essay gets the higher standing.