

Computers and Climate Scavenger Hunt

Overview:

Students use critical thinking skills and information from the *Global Climate* DVD to answer a question about Earth's future climate and solve a fallen phrase word puzzle.

Objectives:

The student will:

- interact with the *Global Climate* DVD; and
- use critical thinking skills and science knowledge to solve a word puzzle.

Materials:

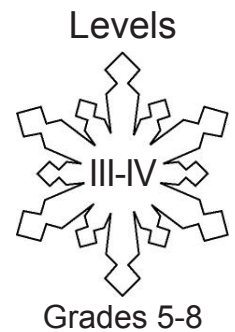
- *Global Climate* DVD
- STUDENT WORKSHEET: "Computers and Climate Scavenger Hunt"

Activity Procedure:

Distribute the *Global Climate* DVD and the STUDENT WORKSHEET: "Computers and Climate Scavenger Hunt." Ask students to complete the worksheet by navigating through the DVD, using the information to solve the word puzzle.

Answers:

If carbon dioxide doubles in the atmosphere from 150 to 300 ppm, then the temperature will rise by 10 degrees Celsius.



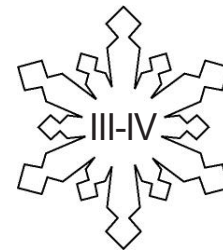
Name: _____

Student Worksheet

Climate Change Impacts

Scavenger Hunt

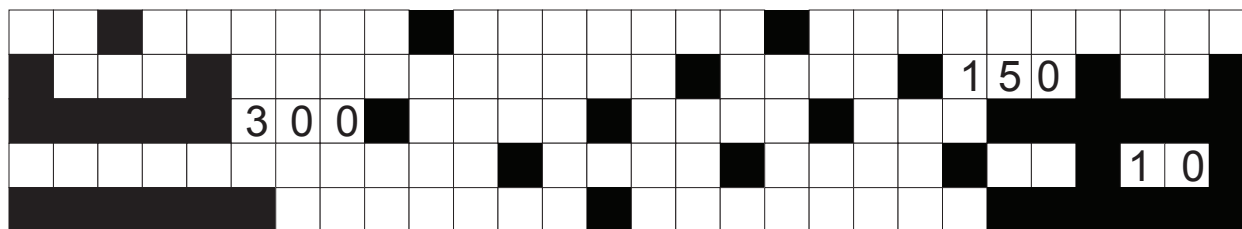
Levels



Directions: Fill in the blanks below to solve the fallen-phrase puzzle. The letters for each column are directly below the column in which they fit, but they are jumbled within that column. For example, since there are two blanks in the first column, the first letter of the phrase could be I or T. Since the first word is only two letters long, and the second letter is either E, T or F, the first word must be "IT" or "IF." Use the clue below and your critical thinking skills to solve the puzzle.

Clue: The *Global Climate* DVD explains that models allow scientists to change climate factors to answer "what if" questions. What if the amount of carbon dioxide in the atmosphere doubled?

Hint: Fill in the columns with only one letter first.



E I S
B T N S D M S E H F R I T U
E P R D O G P E H E X T L E N I O H
I T H C E R A E U R P I O I C D E S O U S E B E I
T F M E A A T M O R P E W R L E L R D M E B L Y S T O N

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