NAME:_____ DATE:_____

GLOBAL WARMING AND GREENHOUSE EFECT

1. Complete the following by writing either 'INCREASING' or 'DECREASING'.

a. The surface temperature of the Earth has been _____over the past 100 years.

b. The thickness of the ice at the North Pole is _____.

c. In some parts of the world, summers are getting hotter and drier. The effects of this are that:

i. Water levels in lakes and ponds are_____

ii. The risk of forest fires is_____

iii. The numbers of wild animals and farm animals dying from lack of food is_____

2. Use the words in the box below to complete the sentences. Some words may be used more than once, or not alt all.

The amount of _____ in the atmosphere is _____, and may be leading to _____ warming. In many countries, _____ are being cut down and _____, which adds _____ to the air. It also removes _____ that could have used up carbon dioxide to produce _____.

| | | | | | |
|---|---|---|---|---|---|
| atmosphere | burned | carbon dioxide | decreasing | Earth | forests |
| global | greenhouse | increasing | oxygen | sea | trees |

3. Write TRUE or FALSE for the following statements.

a. Greenhouses are made of clear glass that allow light in to warm inside. _____

b. Without the greenhouse effect, temperatures on Earth would be too cold for life. _____

c. Two greenhouse gases are oxygen and nitrogen. _____

d. Deforestation leads to global warming because there are no trees to remove carbon dioxide. _____

e. Global warming does not change the weather and climate of an area. _____

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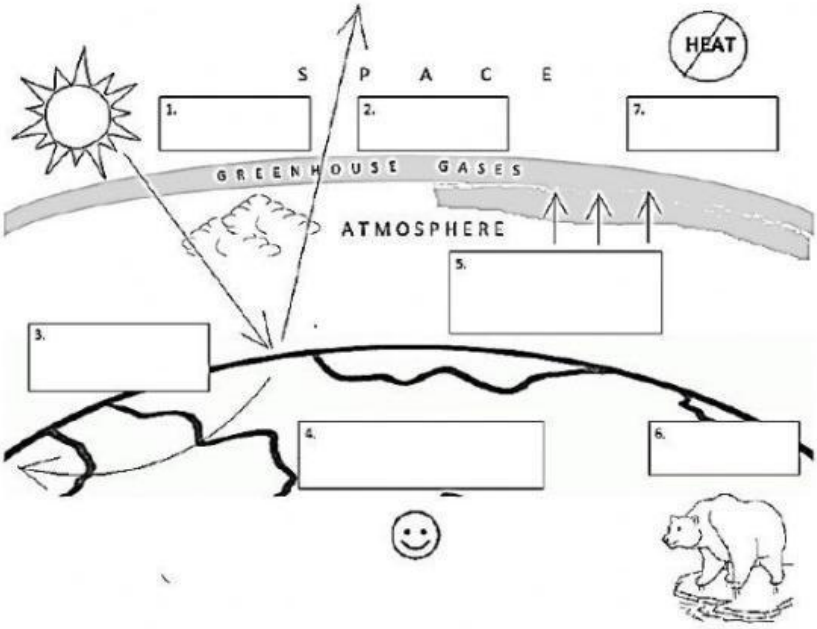
4. Drag the labels on the right to complete the diagram showing how greenhouse effect occurs.




The Earth is warmed to keep us alive.

Less heat leaves atmosphere.

Sunlight reaches Earth

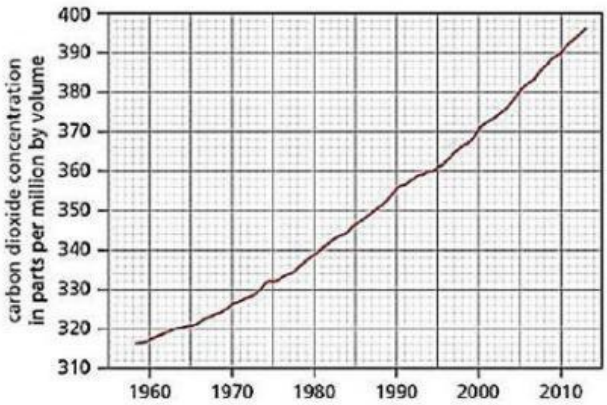
Most heat should go back to space.

Earth becomes too hot causing issues.

Greenhouse gases trap some heat.

More heat is trapped becuase gases are thicker.

5. Look at the graph about carbon dioxide levels over 50 years. Answer the questions.




a. In which year was carbon dioxide levels 355 parts per million? _____

b. What was the carbon dioxide level in 2010? _____ parts per million

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