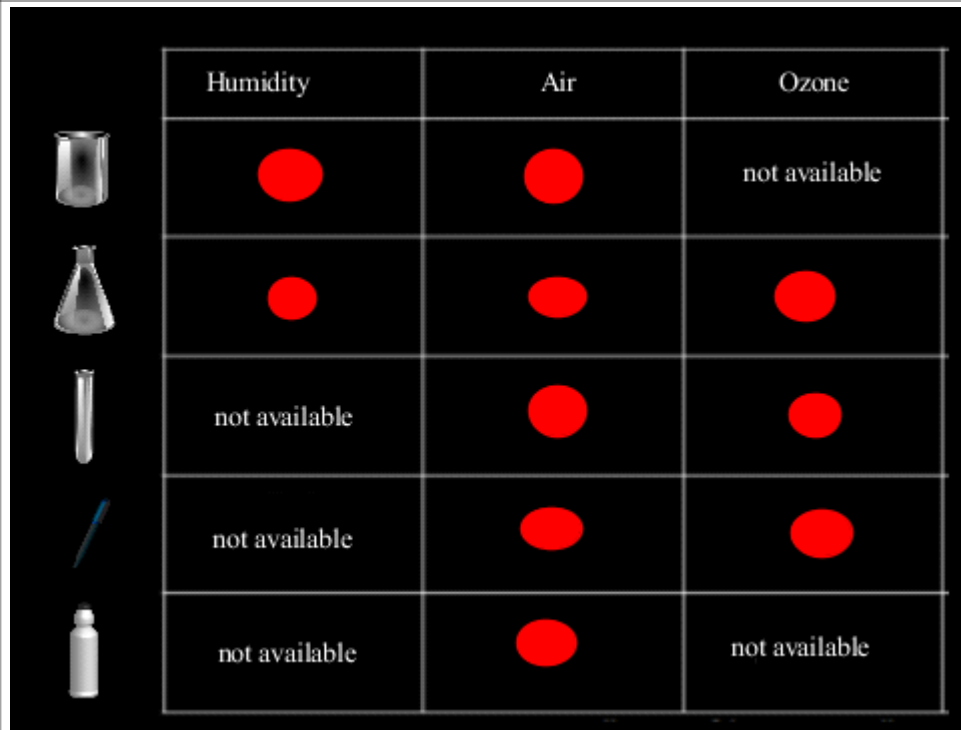


M02 Game Day

Thursday, July 15, 2010
10:29 PM

I rearranged the questions into the game day group to make it easier to check answers during game day. :0)

Slide	Notes																		
 <table border="1" data-bbox="341 525 1120 1186"> <thead> <tr> <th>Humidity</th> <th>Air</th> <th>Ozone</th> </tr> </thead> <tbody> <tr> <td>●</td> <td>●</td> <td>not available</td> </tr> <tr> <td>●</td> <td>●</td> <td>●</td> </tr> <tr> <td>not available</td> <td>●</td> <td>●</td> </tr> <tr> <td>not available</td> <td>●</td> <td>●</td> </tr> <tr> <td>not available</td> <td>●</td> <td>not available</td> </tr> </tbody> </table>	Humidity	Air	Ozone	●	●	not available	●	●	●	not available	●	●	not available	●	●	not available	●	not available	
Humidity	Air	Ozone																	
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<p>When does water evaporate more slowly ...</p> <p>Choose one answer.</p> <p><input checked="" type="radio"/> a. under conditions of high humidity ✓</p> <p><input type="radio"/> b. under conditions of low humidity</p> <p>Will sweating cool you down under conditions of 100% humidity?</p> <p>Choose one answer.</p> <p><input type="radio"/> a. yes</p> <p><input checked="" type="radio"/> b. no ✓</p>	Humidity																		

A chemist is monitoring the rate at which a certain substance burns. The chemist burns the substance in a fireplace that uses the room's air supply. The chemist then repeats the experiment, this time in a chamber whose air mixture is 50% oxygen and 50% nitrogen. In which trial will the substance burn the fastest?

- Choose one answer.
- a. chamber with 50% oxygen and 50% nitrogen ✓
 - b. fireplace using the room's air supply

What gas makes up the majority of air we exhale?

- Choose one answer.
- a. carbon dioxide
 - b. methane
 - c. nitrogen ✓
 - d. oxygen

Convert 1% into ppm.

Answer:

10000



The concentration of nitrogen oxides in the air today is about 0.019 ppm. What is that in percent?

Answer:

0.0000019%

Define the following terms:

i:
The number of molecules (or atoms) of a substance in a mixture for every one million molecules (or atoms) in that mixture.

The moisture content of the air

The mass of water vapor contained in a certain volume of air

The process by which certain gases (principally water, carbon dioxide, and methane) trap heat that would otherwise escape the earth and radiate into space.

<p>Why is it important to have ozone in earth's air supply?</p> <p>Choose one answer.</p> <ul style="list-style-type: none"><input type="radio"/> a. It helps things to burn when you want it to<input checked="" type="radio"/> b. It blocks harmful rays from the sun ✓<input type="radio"/> c. we need it to breathe <p>For good health, should we increase or decrease the concentration of ground-level ozone in the air?</p> <p>Choose one answer.</p> <ul style="list-style-type: none"><input checked="" type="radio"/> a. decrease ✓<input type="radio"/> b. increase <p>Is global warming happening today?</p> <p>Choose one answer.</p> <ul style="list-style-type: none"><input checked="" type="radio"/> a. no ✓<input type="radio"/> b. yes	Ozone

2011-12 Quiz: <http://www.virtualhomeschoolgroup.com/mod/quiz/view.php?id=17586>

2011-12 Exam: <http://www.virtualhomeschoolgroup.com/mod/quiz/view.php?id=17588>