

The air you are breathing on an airplane is recycled from directly outside of your window. That means you are breathing everything that the airplanes gives off and is flying through. The air that is pumped in isn't pure oxygen either, it's mixed with nitrogen, sometimes almost at 50%. To pump a greater amount of oxygen in costs money in terms of fuel and the airlines know this! The nitrogen may affect the times and dosages of medications, make you feel bloated and cause your ankles and joints swell

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Parts of an Experiment: The Scientific Method 1) Ask a <u>question</u> that can be tested. Your question should not be too vague or general. Example: Does attendance in class improve your grade? 2) Restate the question as a <u>purpose</u> Example: To determine whether high attendance in class leads to a high grade 3) Make a <u>hupothesis</u> - a suggested answer to your question. A hypothesis makes a good guess (prediction) at how one variable might affect another. It is often written using an IF, THEN statement Example: IF a student attends more classes, THEN the student will achieve a higher mark in the course <u>BECAUSE</u> the student will have learned all course material

Parts of an Experiment: The Scientific Method 4) Determine your <u>Variables</u> - something that can change in an investigation. Example: Three types of variables: 1) <u>independent</u>: the "cause" variable. It is the one thing in the experiment that you purposely change. Example: number of classes attended 2) <u>dependent</u>: the "effect" variable. It is what you measure in your experiment. It depends on the variable that you purposely change (the independent variable) Example: overall grade in class ___: Variable that are NOT allowed to change during an experiment. This keeps the experiment fair and reliable. Example: same teacher, classroom, semester, NOTE: Where does the IV appear in your hypothesis? _after the "If" Where does the DV appear in your hypothesis? _after the "Then"

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Experiment: Drops	on a penny			
 Question: Purpose: Hypothesis: 				
4) Variables: a) Independent: b) Dependent: c) Control:				
5) Materials 6) Procedure 7) Observation 8) Conclusion				