

Question 24 (5 marks)

Design an experiment that tests the effect of opening a window on the blood oxygen saturation level of the people in a room.

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Independent variable	opening a window
Control	sizes of people's bodies
Variables to be kept constant and justification for keeping each constant.	<p>Variable 1: Δ movement of a body physical</p> <p>Justification: If there is a movement of a body, there will be changes in speed of blood flow. This can make the variation of blood oxygen level of each people. \therefore This needs to be kept constant.</p> <p>Variable 2: Temperature of a room</p> <p>Justification: Since human is ectothermic, the body will be responded by the temperature. This can affect to the result. \therefore Temperature needs to be kept constant</p>
Technology used to measure oxygen saturation in blood	P.O. (P.O.?)