4

Question 18 (4 marks)

Investigators gathered data on a group of 100 smokers for a period of 10 years. During this time 12 people in the group developed lung cancer, two died in traffic accidents, and three died of heart attacks. The investigators used this data to state that smoking caused lung cancer.

Describe how this investigation could be improved.

This investigation could be improved by gathering clara from more smokers to increase valicity. The group of sinckers it is directed at could be extended to age groups, those who are older have smored inclined to lung cancer) or the according to the time when the people sincked smoking (those who stavted earlier will be more prone) The duration in which the data is gathered Could be lengthened to Zoyears. Investigation on the hos of olgerettes that one smoked per day twith rate of concer incidence to con further enhance the Cause + effect relationship in this study.