

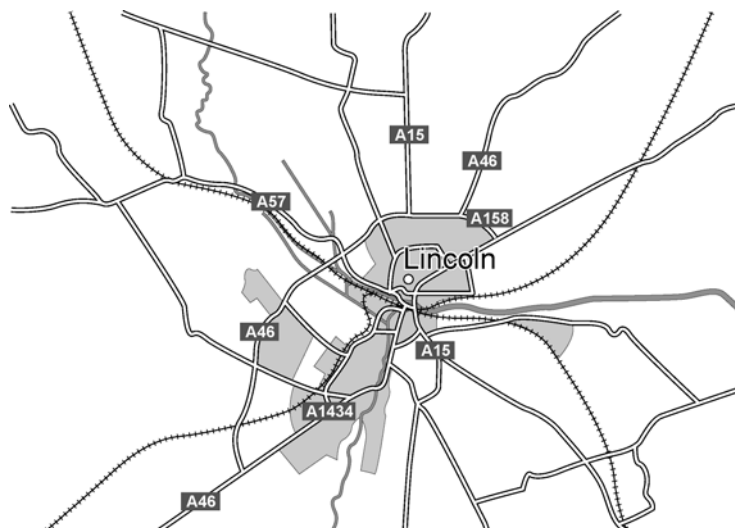
Name _____ Class _____

Environmental pollution can take many forms, such as the pollution of air, water or land. In the ancient cathedral city of Lincoln, air quality has recently been found to break national safety limits at 12 road junctions. Levels of "small airborne particulates" – particularly from traffic and business emissions - were found to be above recommended levels. The entire city has been designated an Air Quality Management Area, and has strengthened the case for a bypass and park and ride scheme.

A spokesperson for Lincoln City Council said "The air quality standards are based on health, so in theory anything above that may have some impact on the health of some members of the community. This is particularly the case for those with existing heart or lung problems and the old and very young, so we do need to do something about it."

Lincoln facts:

- Lincoln cathedral is the third largest in Britain
- In 2009 £63 million was spent on improvements at Lincoln station
- The medieval centre of Lincoln has many original 14th and 15th century buildings, and a large number of half-timbered Tudor houses
- Lincoln has a population of around 85 000 people
- High Bridge, in the city centre, is the oldest bridge in England to have houses built upon it
- The River Witham flows through the centre of the city
- Around 6% of Lincoln commuters travel to work by bicycle



Imagine you work in the planning department of Lincoln City Council. You have been asked to suggest some transport solutions for the air quality problem outlined above. Be as creative as you can in your ideas. Your report should include:

- a description of the solutions you think should take place
- an explanation of why you think they would work
- an annotated map showing your proposals.