name: class: date:

Spatial Analysis in Maps

1. Fill in the gaps with the right words!
2. Scan the QR code to check your answers interactively!
3. Copy the text in your exercise book!
4. Formulate the content of the text yourself!
   Use all gap words!

In today's world, _____ information systems (GIS) are more important than ever. They help us understand and visualize _____ in ways that were previously unimaginable. By using GIS, we can map out resources, plan _____, and even predict environmental changes. One of the core _____ of GIS is spatial analysis. This process involves examining the locations, _____, and relationships of features in spatial data. Through spatial analysis, _____ can uncover patterns and trends that are not immediately obvious. For example, by analyzing crime data, they can identify _____ where crime rates are significantly higher. This information can then be used to improve _____ strategies. Similarly, businesses use spatial analysis to decide where to open new _____ by looking at population density, buying patterns, and competition. Environmentalists might use it to track the spread of invasive _____ or to plan conservation efforts. One interesting application is in disaster _____, where spatial analysis helps in planning evacuation routes and _____ efforts. It can also predict where natural disasters like floods or _____ are more likely to occur. Schools are incorporating GIS and spatial analysis into their _____, recognizing the importance of spatial thinking. This integration prepares students for a wide range of _____ and helps them understand the world in a more comprehensive way. In conclusion, spatial _____ in the context of GIS is a powerful tool that impacts various aspects of our lives. From improving public _____ to making business decisions and protecting the _____, its applications are vast and vital.

management	policing	environment	safety	species	data	careers	stores
earthquakes	relief	hotspots	geographical	cities	scientists	components	
attributes	analysis	curriculums					

Reference: https://materials.school/educational-activities/task-collection/geography/spatial-analysis-maps (created with ChatGPT)