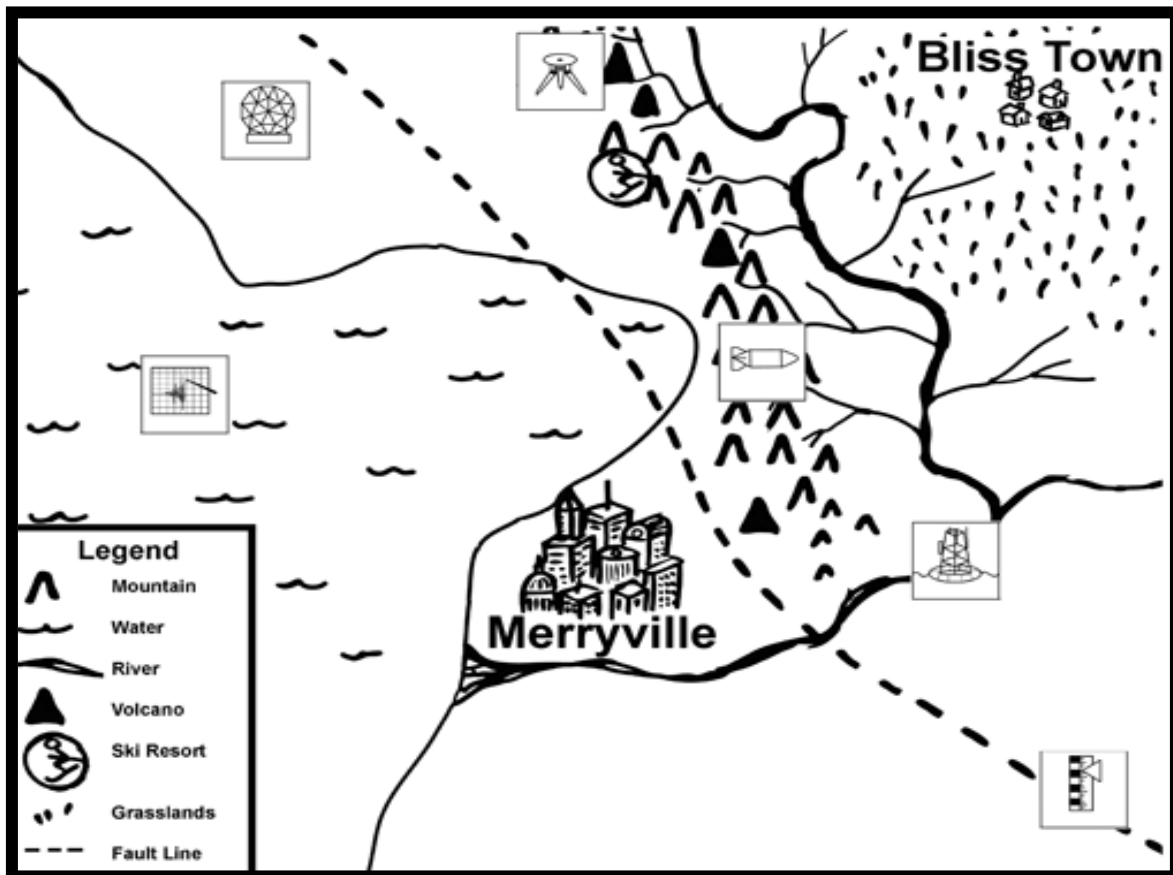


## Save Our City! **Worksheet Answers**

Our interns have sent us the map of Unawaria (see below) with the locations where they think our disaster prevention devices should go. Unfortunately, our interns do not know as much about natural hazards as we do. It is our job to identify what is wrong with the location of the natural disaster prevention devices.



In the space below, list at least four mistakes that you see and why each location is a mistake.

1. The Doppler radar is not near a population center and would not be able to warn the people of tornadoes and thunderstorms.
2. The seismometer is out in the sea. In this location it will not be able to tell us about small earthquakes near our fault line.
3. The avalanche mortar is not near the ski resort where it would do the most good, protecting skiers.
4. The tsunami buoy is on the river. Tsunamis occur in large bodies of water and not in rivers.
5. The water gauge is not next to the river. While a flash flood can happen anywhere, the water gauge is most effective in a river where it can tell us how fast the water is rising.
6. The volcano tiltmeter is near a volcano, but it is the volcano that is furthest from Merryville. The tiltmeter would be better used on the volcano just outside the city.