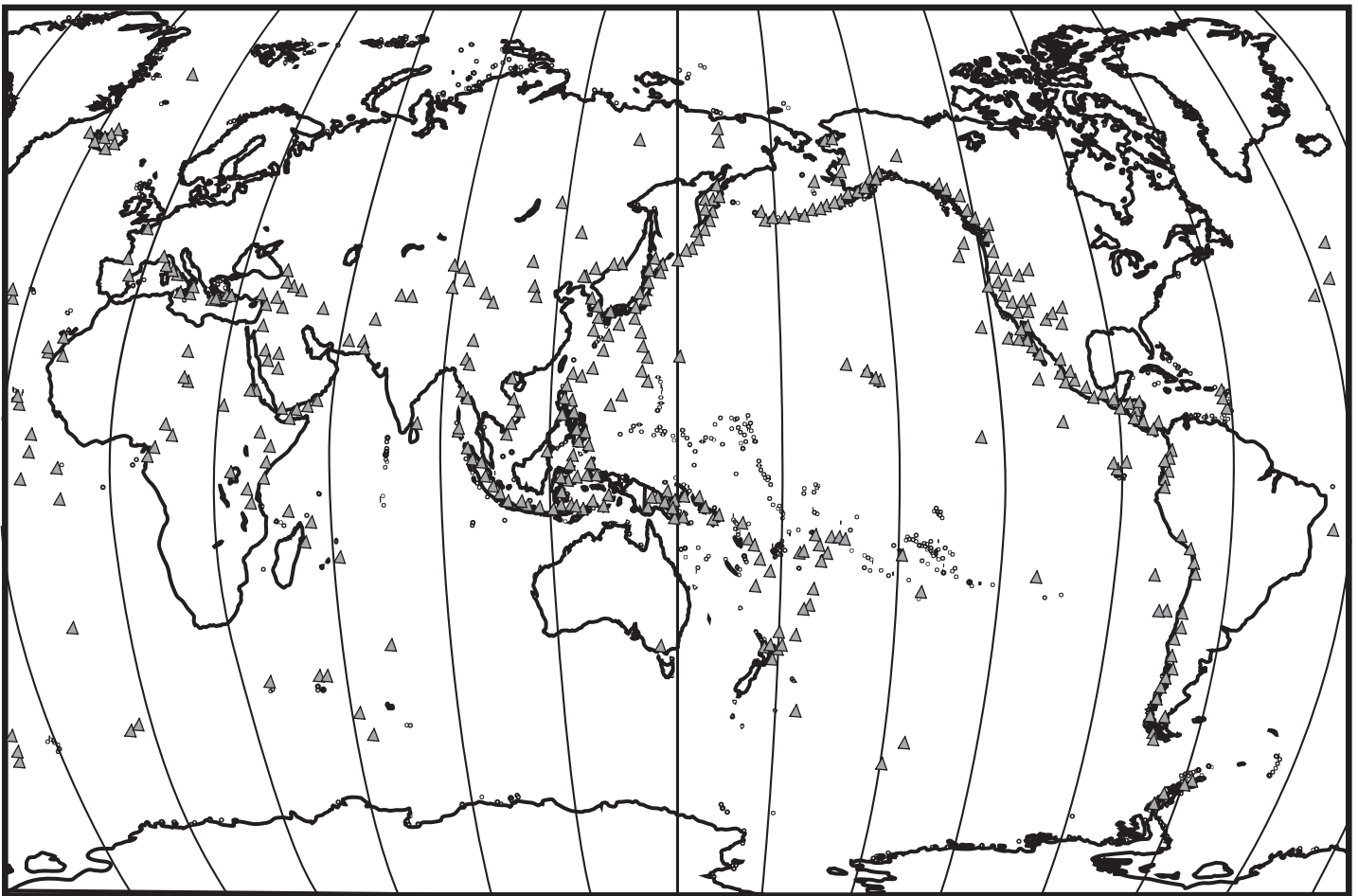


Volcanoes generally occur along fault lines, where continental plates are pushing together or where they are pulling apart. The converging or diverging plates are under intense pressure which leads to earthquake action. Rock layers suffer stress fractures and shift. Magma pushes up through these cracks in the layers of rock, eventually finding its way to the surface.

Some volcanoes appear at places scientists refer to as 'hot spots'. These can occur in the middle of a continental plate where the underlying magma is hotter or closer to the surface. Hawaii is an example of a hot spot.



Use an atlas to locate and label the following places on the world map:

- | | |
|------------------------------|---------------|
| A) Iceland | F) Japan |
| B) Hawaii | G) Indonesia |
| C) North Island, New Zealand | H) New Guinea |
| D) Chile | I) Mexico |
| E) Alaska, USA | J) Italy |

List volcanoes that have erupted in recent years. State the country they are located in.

Compare the location of volcanoes with a map of the world's tectonic plate boundaries.