

Inquiring Further

1. Eruptions near your community

Find out more about the historical eruptions at the volcanoes nearest your community. The Volcano World web site lists hundreds of historically active volcanoes. (Consult the AGI *EarthComm* web site for current addresses.) Your data table of latitudes and longitudes will help you to identify them.

2. Volcanoes and the water on Earth (the hydrosphere)

Research to find answers to the following questions, and any other questions which you have formed:

- How do volcanoes at mid-ocean ridges affect the temperature of seawater?
- How do volcanoes change the chemistry of seawater?
- How does seawater affect the composition of the volcanic rock that is formed at the mid-ocean ridge?
- Would volcanoes affect a small body of seawater, such as the Red Sea, the same way as a large ocean like the Atlantic?
- Can a change in the volume of volcanic rock formed at mid-ocean ridges change sea level?

