



- 1. Name the intrusions marked A, D, E, F and G in Figure 13.2.
- 2. Name the landform features marked B and C in Figure 13.2.
- 3. Name the homoclinal ridges marked H and I.
- 4. What evidence is there in Figure 13.2 to suggest that sandstone is
- 5. Would it be correct to say that the igneous intrusions occurred the sedimentary rocks were formed? Give a reason for your answer
- 6. What influence would this landscape have on the settlements and farming in the area?

Check your answers against those given by your teacher, making corrections where necessary.

## Characteristics and processes associated with the development of granite domes and tors

Granite, when exposed on the surface of the Earth, forms two distinct types of landform features, namely granite domes and tors.

## **Granite domes**

Granite domes exposed on the surface of the Earth are usually roun and smooth. They are also light in colour. Granite domes are the expe parts of a much larger and deeper lying batholith. Figure 13.2 shows extent of the batholith that forms Paarl Mountain and extends as fa Cape Town and Stellenbosch.

When batholiths intrude into the crust they start to cool down. granite batholith cools it contracts and results in orthogona developing (see Photograph 13.5 and 13.6). As the overlying l rocks are removed by weathering and erosion the pressure exerted layers on the batholith becomes less. This results in the crystal s of the batholith expanding over time. Expansion joints develop w