

## Onion Peeling

**Fill in the blank spaces using the list of words below**

*Temperature, freezing point, contract, stretch, rocks, joints, shatter, scree, weathering, clouds,.*

Onion peeling is also called onion \_\_\_\_\_ or exfoliation. This form of weathering usually occurs in hot deserts. During the day, the \_\_\_\_\_ in a desert can rise to 40°C. The \_\_\_\_\_ in the desert heat up. The outer layers of the rock expand. The inner layers take a little longer to heat up and expand more slowly. At night, the temperature in the desert can fall below \_\_\_\_\_. This is because there are no \_\_\_\_\_ to trap the heat. When the temperature decreases, the outer layers of the rock begin to \_\_\_\_\_ (shrink). However the inner layers are still expanding. This causes the outer layers to \_\_\_\_\_ over the inner layers. This stretching causes the outer layers to crack. These cracks are called \_\_\_\_\_. The sound of cracking of the rock has been described as the sound of a shotgun blast. Over a long period of time the rock will \_\_\_\_\_ and \_\_\_\_\_ will fall to the ground. Onion peeling produces landscape features called Exfoliation domes.

\_\_\_\_\_