

SURVIVAL GUIDE



to breathe much harder to get the oxygen your body needs. the thinner the air becomes and the less oxygen there is to breathe. At the summit of Everest, Humans need oxygen to survive. We get it by breathing the air around us. The higher you go, three breaths provide about the same amount of oxygen as one breath at sea level, so you have

ACCLIMATISATION

at altitude, our bodies must air and lower oxygen levels acclimatisation. adapt. This process is known as To cope with the thinner

to acclimatise, climbers should ascend slowly to high altitudes. To give their bodies a chance

(AMS). Symptoms of AMS range Climbers who don't acclimatise (pulmonary oedema) or brain build-up of fluid in the lungs dizziness, to a life-threatening exhaustion, confusion and from headaches, nausea, called Acute Mountain Sickness properly can suffer from something (cerebral oedema).

breathlessness, a faster heart altitude. These can include and trouble sleeping. rate, coughing, loss of appetite will still feel the effects of Even those who do acclimatise



EXTRA OXYGEN

Today, most climbers use

summit of Everest. This helps bottled oxygen to get to the them combat the effects of without extra oxygen. Irvine, debates raged about could survive on the summit not until Hillary removed his necessary or 'sporting'. It was whether using oxygen was once and for all that humans of Everest that scientists knew breathing apparatus at the top But, in the days of Mallory and

high altitude and improves

their performance.

Messner became the first extra oxygen in 1978. person to climb Everest without The Italian climber Reinhold

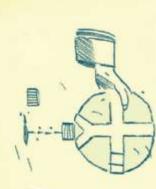


OTHER DANGERS

heart, including the fingers, toes, nose, ears, in bits of the body that are farthest from the death of body tissue. Frostbite generally occurs Frostbite: It is the freezing and ultimate amputated. In the worst cases, the body part must be numbness or loss of use of the affected area cheeks and chin. It can cause permanent



include confusion and weakness. If left altitude. The symptoms of severe dehydration happens when more fluid is lost by the body human body cannot work properly. Dehydration Dehydration: Without enough water, the untreated, dehydration is fatal because our bodies lose water more quickly at of dehydration is greater for mountaineers than is replaced by drinking liquids. The risk





altitude cough (Khumbu cough):

and become inflamed. The resulting irritation High causes the climber to cough - often quite ribs as a result of the Khumbu cough. violently. People have been known to break cause the lining of a climber's lungs to dry out Breathing cold air quickly and deeply can