Why do we yawn and what function does it serve in maintaining homeostasis?

1. Research & explain what you find out.

Scientists Attribute Yawning to the Need to Cool the Brain and Pay Attention (Evolutionary Psychology 5.1; 2007),

More than a Sign of Sleepiness, Yawning May Cool the Brain (Andrew C. Gallup, Omar T. Eldakar. Contagious yawning and seasonal climate variation. Frontiers in Evolutionary Neuroscience, 2011; 3: 3 DOI: 10.3389/fnevo.2011.00003),

Chimpanzees Contagious Yawning Evidence of Empathy not just Sleepiness, Study Shows (Matthew W. Campbell, Frans B. M. de Waal. Ingroup-Outgroup Bias in Contagious Yawning by Chimpanzees Supports Link to Empathy. PLoS ONE, 2011; 6 (4): e18283 DOI: 10.1371/journal.pone.0018283