

# TED Lesson: The science of stage fright (and how to overcome it)?

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Palms sweaty, heart racing, stomach in knots. You can't 1. \_\_\_\_\_ for help. Not only is your throat too tight to breathe, but it'd be so embarrassing. No, you aren't being stalked by a 2. \_\_\_\_\_, you're speaking in public, a fate some deem worse than death.

00:31

See, when you're dead, you feel nothing; at a podium, you feel stage fright. But at some point we've all had to 3. \_\_\_\_\_ in front of people, so you have to try and overcome it.

00:43

To start, understand what stage fright is. Humans, 4. \_\_\_\_\_ animals that we are, are wired to worry about reputation. Public speaking can threaten it. Before a speech, you fret, "What if people think I'm awful and I'm an idiot?" That fear of being seen as an awful idiot is a 5. \_\_\_\_\_ reaction from a primitive part of your brain that's very hard to control. It's the fight or flight response, a self-protective process seen in a range of animals, most of which don't give speeches.

01:10

But we have a wise partner in the study of freaking out. Charles Darwin tested fight or 6. \_\_\_\_\_ at the London Zoo snake exhibit. He wrote in his diary, "My will and reason were powerless against the imagination of a danger which had never been experienced." He concluded that his response was an ancient reaction unaffected by the nuances of modern civilization. So, to your 7. \_\_\_\_\_ modern mind, it's a speech. To the rest of your brain, built up to code with the law of the jungle, when you perceive the possible consequences of blowing a speech, it's time to run for your life or fight to the death.

01:55

Your hypothalamus, common to all vertebrates, triggers your pituitary gland to secrete the 8. \_\_\_\_\_ ACTH, making your adrenal gland shoot adrenaline into your blood. Your neck and back tense up, you slouch. Your legs and hand shake as your muscles prepare for attack. You sweat. Your blood 9. \_\_\_\_\_ jumps. Your digestion shuts down to maximize the delivery of nutrients and oxygen to muscles and vital organs, so you get dry mouth, butterflies. Your pupils

dilate, it's hard to read anything up close, like your notes, but long range is easy. That's how stage fright works.

02:28

How do we fight it? First, perspective. This isn't all in your head. It's a 10. \_\_\_\_\_, hormonal, full body reaction by an autonomic nervous system on autopilot. And genetics play a huge role in social anxiety. John Lennon played live thousands of times. Each time he vomited beforehand. Some people are just wired to feel more scared performing in public.

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Since stage fright is natural and 11. \_\_\_\_\_, focus on what you can control. Practice a lot, starting long before in an environment similar to the real performance. Practicing any task increases your familiarity and reduces anxiety, so when it's time to speak in public, you're 12. \_\_\_\_\_ in yourself and the task at hand. Steve Jobs rehearsed his epic speeches for hundreds of hours, starting weeks in advance. If you know what you're saying, you'll feed off the crowd's energy instead of letting your hypothalamus convince your body it's about to be lunch for a pack of predators.

03:20

But hey, the vertebrate hypothalamus has had millions of years more practice than you. Just before you go on stage, it's time to fight 13. \_\_\_\_\_ and trick your brain. Stretch your arms up and breath deeply. This makes your hypothalamus trigger a relaxation response. Stage fright usually hits hardest right before a 14. \_\_\_\_\_, so take that last minute to stretch and breathe.

03:38

You approach the Mic, voice clear, body relaxed. Your well-prepared speech convinces the wild crowd you're a charismatic genius. How? You didn't overcome stage fright, you adapted to it. And to the fact that no matter how civilized you may seem, in part of your brain, you're still a 15. \_\_\_\_\_ animal, a profound, well-spoken wild animal.

**Answers:**

1. Cry
2. Monster
3. Communicate
4. Social
5. Threat
6. Flight
7. Conscious
8. Hormone
9. Pressure
10. Natural
11. Inevitable
12. Confident
13. Dirty
14. Presentation
15. Wild