JURASSIC
PARK

Did you know that we have the DNA of a Woolly Mammoth?

Colossal's landmark de-extinction project will be the resurrection of the Woolly Mammoth - or more specifically a cold-resistant elephant with all of the core biological traits of the Woolly Mammoth. It will walk like a Woolly Mammoth, look like one, sound like one, but most importantly it will be able to inhabit the same ecosystem previously abandoned by the Mammoth's extinction.

Woolly Mammoth De-extinction Project and Process

Colossal.com

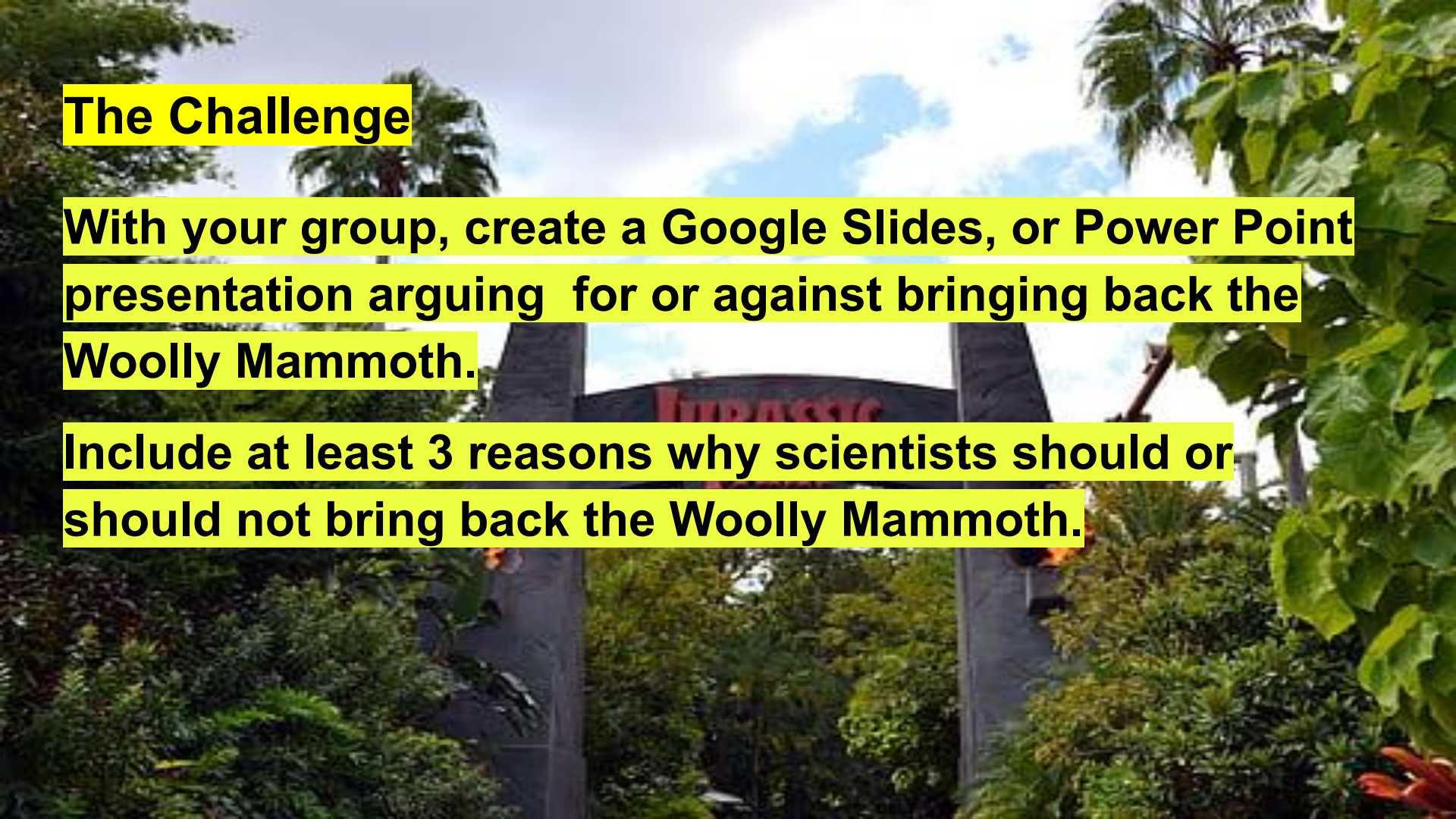
Intelligence Debates Woolly Mammoth Revival

WHY BRING BACK THE WOOLLY MAMMOTH?

Breakthrough advances in genomic biotechnology presented the possibility of bringing back long-extinct species — or at least "proxy" species with traits and ecological functions similar to the extinct originals.

The woolly mammoth emerged as a leading candidate for this work. It is being attempted because a close relative of the mammoth is still living—the Asian elephant. Thanks to the similarity of their genomes, the genes of woolly mammoth traits can be edited into the Asian elephant genome, and the combination brought to life as an elephant cousin, once again adapted to the conditions of the far north.

The ultimate goal of the Woolly Mammoth Revival is to bring back this extinct species so that healthy herds may one day re-populate vast tracts of tundra and boreal forest in Eurasia and North America. The intent is not to make perfect copies of extinct woolly mammoths, but to focus on the mammoth adaptations needed for Asian elephants to thrive in the cold climate of the Arctic.



The Challenge

With your group, create a Google Slides, or Power Point presentation arguing for or against bringing back the Woolly Mammoth.

Include at least 3 reasons why scientists should or should not bring back the Woolly Mammoth.

Presentation Rubric

	4	3	2	1	0
Claim			Makes a claim that is complete	Makes a vague or incomplete claim	Does not make a claim
Evidence	3 pieces of evidence (from text, video, experiment, diagram, lecture, etc.) are provided to support the claim, and explanations are accurate and complete	2 pieces of evidence (from text, video, experiment, diagram, lecture, etc.) are provided to support the claim, and explanations are accurate and complete	1 piece of evidence (from text, video, experiment, diagram, lecture, etc.) is provided to support the claim.	1 piece of evidence (from text, video, experiment, diagram, lecture, etc.) is provided to support the claim, but it is not accurate	Evidence is absent
Presentation	Presentation flows well and logically. Presentation reflects extensive use of tools in a creative way.	Presentation flows well. Tools are used correctly. Overall presentation is interesting.	Presentation flows well. Some tools are used to show acceptable understanding.	Presentation is unorganized. Tools are not used in a relevant manner.	Presentation has no flow. No tools used.