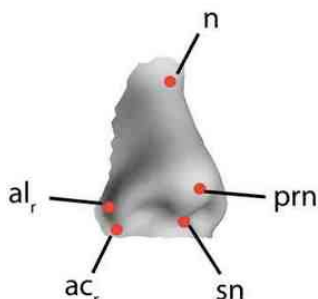


Climate changed the shape of our nose

19th March, 2017



Creative Commons
via Zaidi AA, Mattern BC, Claes P,
McEcoy B, Hughes C, Shriver MD (2017)

Have you ever wondered why everyone's nose is a different shape? Researchers have come up with a possible explanation for this. A study from Pennsylvania State University in the USA says the Earth's climate could have something to do with the shape of our nose. The

study found that people who have wider noses usually live in warmer, more humid areas. People with narrower noses are more commonly found in colder and drier climates. The nose plays an important function in making sure the air we breathe reaches our lungs in a warm and moist condition. The width of the nostrils and length of the nose help to make sure this happens. Researchers said the nose is a little like a temperature controller.

The researchers used 3D images to measure the noses of more than 2,600 people from Africa, Asia and Europe. They measured the width of the nostrils, the distance between nostrils and nose height. The researchers said their findings could help people who move to different climates to adjust to the heat or cold, and the humidity. This could help reduce respiratory problems. Study co-author Dr Arslan Zaidi said increased travel and climate change make it difficult to predict if our nose will change shape in the future. He said: "Our lifestyles aren't what they used to be. We move around the world way too much. That makes it very complicated to predict the future [evolution] of the nose with the changing climate."

Sources: livescience.com / popsci.com / science20.com

Writing

The nose is the most important part of the face. Discuss.

Chat

Talk about these words from the article.

why / explanation / climate / humid / drier / breathe / condition / temperature / sure / 3D images / nostrils / adjust / future / lifestyles / complicated / evolution / predict

True / False

- Researchers now know for sure why our noses are different shapes. T / F
- The research is from a university in the USA. T / F
- Researchers said people with narrower noses are from drier places. T / F
- Researchers likened our nose to a remote control. T / F
- Researchers looked at the noses of people from three continents. T / F
- The study could one day help people who have breathing problems. T / F
- A researcher said we move around the world too much. T / F
- Climate change makes it is difficult to predict how our nose will change. T / F

Synonym Match

(The words in **bold** are from the news article.)

- | | |
|-----------------------|-------------------|
| 1. wondered | a. frequently |
| 2. explanation | b. difficult |
| 3. commonly | c. similar to |
| 4. reaches | d. pictures |
| 5. like | e. asked yourself |
| 6. images | f. adapt |
| 7. adjust | g. development |
| 8. predict | h. reason |
| 9. complicated | i. guess |
| 10. evolution | j. gets to |

Discussion – Student A

- What do you think about what you read?
- Do you think climate changes other parts of our body?
- What problems can we have with our nose?
- How do heat, cold and humidity affect the nose?
- Would you ever have a nose job?
- How would you describe your nose?
- What might our noses look like in the future?
- What questions would you like to ask the researchers?

Phrase Match

- | | |
|--|------------------------------|
| 1. wondered why everyone's | a. to measure the noses |
| 2. Researchers have come up with | b. reaches our lungs |
| 3. more commonly found in colder | c. of the nose |
| 4. making sure the air we breathe | d. controller |
| 5. the nose is a little like a temperature | e. a possible explanation |
| 6. The researchers used 3D images | f. between nostrils |
| 7. the distance | g. they used to be |
| 8. This could help reduce respiratory | h. nose is a different shape |
| 9. Our lifestyles aren't what | i. problems |
| 10. predict the future evolution | j. and drier climates |

Discussion – Student B

- What do you think of your nose?
- What do you think of noses?
- What did you find interesting about what you read?
- How attractive are noses compared to other parts of the face?
- How possible is it climate changed the shape of our nose?
- How many different things does the nose do?
- What's the best nose shape?
- Would you like to change anything about your nose?

Spelling

- Have you ever rwneedeod why?
- a opelibss explanation
- People with nrwoearr noses
- more omlnyocm found in colder and drier climates
- plays an important fcnniuot
- the air we erbtæh
- seueram the noses
- the eastdinc between nostrils
- tjauds to the heat or cold
- and the dmyitihu
- That makes it very ideoctcaplm
- the future veuontliq of the nose

Answers – Synonym Match

1. e	2. h	3. a	4. j	5. c
6. d	7. f	8. i	9. b	10. g

Role Play

Role A – London

You think London is the city with the best climate. Tell the others three reasons why. Tell them what is wrong with their places. Also, tell the others which is the worst of these (and why): Dubai, Sydney or Anchorage.

Role B – Dubai

You think Dubai is the city with the best climate. Tell the others three reasons why. Tell them what is wrong with their places. Also, tell the others which is the worst of these (and why): London, Sydney or Anchorage.

Role C – Sydney

You think Sydney is the city with the best climate. Tell the others three reasons why. Tell them what is wrong with their places. Also, tell the others which is the worst of these (and why): Dubai, London or Anchorage.

Role D – Anchorage

You think Anchorage is the city with the best climate. Tell the others three reasons why. Tell them what is wrong with their places. Also, tell the others which is the worst of these (and why): Dubai, Sydney or London.

Speaking – Climate

Rank these with your partner. Put the best climates to live in at the top. Change partners often and share your rankings.

- | | |
|------------|-------------|
| • London | • Tokyo |
| • Dubai | • Anchorage |
| • Helsinki | • Lima |
| • Sydney | • Fiji |

Answers – True False

a	F	b	T	c	F	d	F	e	T	f	T	g	T	h	T
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Answers to Phrase Match and Spelling are in the text.