



Why Human Faces Evolved to Be Unique

Description

When you walk in a busy place, notice the different faces around you. People have various nose shapes, eye colours, and cheek contours. This variety is important because human faces are very different from those of other primates.

Scientists studied how our faces evolved. They discovered that we need to recognise each other, which is why our faces differ so much. This study used a large US Army database of body measurements to understand these differences better.

The research showed that our faces have more variation than any other part of our bodies. For example, a wide nose does not mean a bigger chin. The study also found more genetic differences in the parts of DNA that control our facial features. This ability to be unique helps us in social situations.

Facial recognition is very important for humans. The study's author, Michael J Sheehan, explained that we use faces more than any other features, like height. Our faces help us connect better with others. This diversity makes our lives more interesting and helps us communicate effectively.

Vocabulary List:

1. **recognise** //ˈrɛkəɡnaɪz// (verb): be able to know who someone is
2. **evolved** //ɪˈvɔːlvd// (verb): changed slowly over a long time
3. **database** //ˈdeɪtə,beɪs// (noun): a large organized collection of information
4. **variation** //ˌvəriˈeɪʃən// (noun): a difference within the same group
5. **genetic** //dʒəˈnetɪk// (adjective): connected to genes in the body
6. **contours** //ˈkɑn.tɔrz// (noun): the curved outer shapes of something

Comprehension Questions

Multiple Choice

1. What do human faces have more variation in compared to?
Option: Hands
Option: Feet



- Option: Bodies
- Option: Other primates

2. Who is the author of the study on facial recognition?

- Option: John Smith
- Option: Michael J Sheehan
- Option: Alice Johnson
- Option: David Brown

3. What did the study primarily use to understand differences in facial features?

- Option: Photos
- Option: US Army database of body measurements
- Option: Facial recognition technology
- Option: Surveys

4. According to the study, which feature do we use more than others for recognition?

- Option: Height
- Option: Weight
- Option: Faces
- Option: Hair color

5. What is the significance of the variation in human faces?

- Option: It creates confusion
- Option: It helps in social situations
- Option: It is only aesthetic
- Option: It leads to competition

6. What aspect of genetics did the study find more differences in?

- Option: Height genes
- Option: Facial feature genes
- Option: Skin color genes
- Option: Hair texture genes

True-False

7. Human faces are very similar to those of other primates.

8. The research indicated that our faces are the most variable part of our bodies.



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9. According to the study, a wide nose usually indicates a bigger chin.
 10. Facial recognition is more important than height in social interactions.
 11. The study found that people are not unique in their facial features.
 12. People with diverse faces are generally less interesting.

Gap-Fill

13. People have various nose shapes, eye colours, and cheek contours, which makes human faces very _____ from those of other primates.
14. The research showed that our faces have more variation than any other part of our _____ ..
15. This variation in facial features helps us in _____ situations.
16. We use faces for recognition more than any other features, such as _____ ..
17. The ability to be unique helps us communicate _____ with others.
18. The study found more genetic differences in the parts of DNA that control our facial _____ ..

Answer

- Multiple Choice:** 1. Other primates 2. Michael J Sheehan 3. US Army database of body measurements 4. Faces 5. It helps in social situations 6. Facial feature genes
- True-False:** 7. False 8. True 9. False 10. True 11. False 12. False
- Gap-Fill:** 13. different 14. bodies 15. social 16. height 17. effectively 18. features

Vocabulary quizzes



Multiple Choice (Select the Correct answer for each question.)

1. What is the primary vehicle used for travel beyond Earth's atmosphere?
Option: Airplane
Option: Rocket
Option: Helicopter
Option: Spacecraft

2. Which type of spacecraft is designed to carry astronauts and return them safely to Earth?
Option: Satellite
Option: Orbiter
Option: Capsule
Option: Probe

3. What force keeps planets in orbit around the sun?
Option: Electromagnetism
Option: Nuclear Force
Option: Gravity
Option: Friction

4. What term describes a failure in a system or machinery that prevents it from operating correctly?
Option: Operational
Option: Malfunctioned
Option: Repaired
Option: Functional

5. What type of video game mode allows multiple players to interact within the same game environment?
Option: Single player
Option: Co-op
Option: Multiplayer
Option: Solo

6. Which component of a computer network provides services to other computers?
Option: Client
Option: Router
Option: Server
Option: Switch

7. What term is used to describe a state in which a computer or device is not connected to the internet?
Option: Online
Option: Sync
Option: Offline



Option: Connected

8. What term refers to a person with whom one engages in a business relationship or activity?

Option: Ally

Option: Partner

Option: Rival

Option: Stranger

9. What term describes a group of people living in the same place or having a particular characteristic in common?

Option: Society

Option: Network

Option: Community

Option: Collective

10. What is a series of coordinated activities aimed at achieving a specific goal often in a political context called?

Option: Dilemma

Option: Campaign

Option: Project

Option: Event

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. A _____ is a rapidly rotating storm system characterized by a center of low pressure.

12. The _____ view of the landscape highlighted the intricate network of rivers.

13. The new video game focused on aerial _____ between various fighter aircraft.

14. She enjoyed making her own paper _____ for various art projects.

15. To help the environment, it is important to _____ materials like paper and plastic.

16. The software update was designed to fix known _____ in the application.

17. It's important to _____ the hard work that team members contribute to a project.

18. Species have _____ over millions of years to adapt to their surroundings.

19. The research team used a comprehensive _____ to gather and analyze their data.



20. There is a significant _____ in temperature between day and night in the desert.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. The study of genetic traits helps scientists understand inheritance patterns.
22. The artist skillfully captured the contours of the landscape on canvas.
23. The spacecraft relied on advanced propulsion systems to navigate through space.
24. The power plant utilized a nuclear reactor to generate electricity for the city.
25. Improving energy efficiency can lead to significant cost savings for businesses.
26. Electricity is a form of energy that powers many devices in our daily lives.
27. Nuclear energy is produced through reactions in atomic nuclei.
28. Various types of spacecraft are used for exploration, research, and satellite deployment.
29. The space capsule successfully re-entered the Earth's atmosphere and landed safely.
30. Gravity is the force that attracts objects with mass toward one another.

Answer

Multiple Choice: 1. Spacecraft 2. Capsule 3. Gravity 4. Malfunctioned 5. Multiplayer 6. Server 7. Offline 8. Partner 9. Community 10. Campaign

Gap-Fill: 11. hurricane 12. aerial 13. combat 14. craft 15. recycle 16. bugs 17. recognise 18. evolved 19. database 20. variation

Matching sentence: 1. genetic 2. contours 3. propulsion 4. reactor 5. efficiency 6. electricity 7. nuclear 8. spacecraft 9. capsule 10. gravity

CATEGORY

- 1. Sci/Tech - LEVEL2

POST TAG

- 1. different
- 2. ESL learning
- 3. esl news
- 4. faces



5. humans
6. Level 2
7. look

Tags

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