

Hello, everyone.....

Article “could just two people repopulate the earth?”

[Can everyone guess where the article come from? \(BBC, button\)](#)

The author is Zaria Govertt.

Freelance science journalist.

The most of her articles focus on Science, Earth, and Future. (BBC future)

On the Twitter, she said she is living in London.

The main point: Find the answer get research, other’s point

Right now, let’s welcome Misato to explain the meaning of words in the article.

\*I’ll write as gramatically sentence in this night here\*

DICTIONARY

NOUN? VERB?

FOLLOWING ORDER

1. Parthenogenesis (n.) (3)-----the production of a new plant or animal from a female without the sexual involvement of the male  
ex. Female can get babies without male.

2. incest (n.)(7)-----sex between people who are closely related in a family

3. victim (n.) (12) -----someone who suffers because of something bad that happens or because of an illness

Ps. Those kinds of people are unlucky.

4. rule of thumb (18) -----A rule of thumb is an informal principle that is intended to provide general guidance rather than precise direction. base on experience, inaccuracy  
ex. measuring length by two fingers

5. IUCN Red List (18) ----- the list for endangered animal  
Ps. Panda

6. anatomical (adj)(anatomy n.) (20) -----the scientific study of the structure of human or animal bodies

Ps. Doctor want to cut your body and try to see your bones or muscles.

7. archaeological(adj)(archaeology n.)(20)-----the study of ancient societies by examining what remains of their buildings, graves, tools etc.

Ps. People want to find dinosaurs' bones.

8. rough patch (20) : go through a bad/difficult/rough/sticky patch

Ps. A difficult situation

9. (to be) living proof of (something) (20)----- to exemplify something

Ps. an example that prove it to be true

Thank you, Misato.

Right now, let me describe the article.

4 parts

Part 1:1-7

Introduction, her hook is a story(1-2). Explain(3)

So the question is coming. Who are the alien, Adam and Eva?

black rat and two tree lobsters

reason: female can get kids without male

At (6), background.

Only two humans. Want to repopulate, breed(繁殖).problem: brothers and sisters incest

make reader know the risk

part 2:8-15

Already read.

Is there anyone can help to make a conclusion about part two? What are the main problems? Give one and two? Increase the possibility of genetic disease and reduce population

Increase the possibility of genetic disease: European royalty

reduce population: flightless parrots protect, and food number is going down (genetic diversity)

Ok, right now, let me give time to Misato. Let she describe the rest of the article

part3 : 16 - 20 is composed with topics about

**immunity and genetic diversity**

Low genetic diversity causes weak immunity.

There are several topics in this part. Let's take a look one by one.

Immune system and the reason why do we need different type of gene. (16 17)

How much variety do we need? Thumb of Rule (18)

All people have low genetic diversity today.

(information question 4)

part4 21-23

Conclusion including a model by Nasa, this model shows that only 160 people can survive for 200 years without incest.

(information question 3)

Yes, the author says we can repopulate if each woman had 8 children, we can repopulate from just two people to 7 billion in just 556 years.

Let's move on discussion.