

Warm-up (11/10/2021)

In your notebook answer the following:

- Describe everything you know about DNA

After watching the video:

How does DNA prove evolution is real?

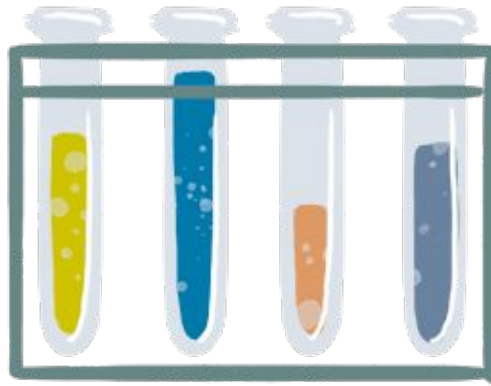
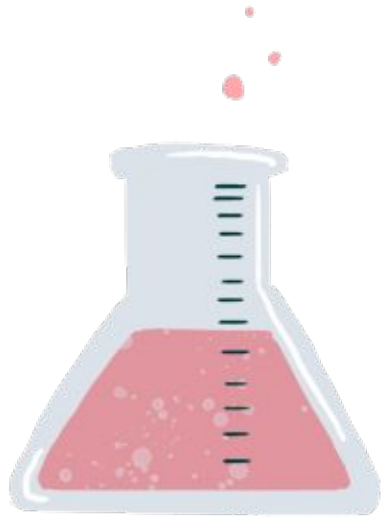


Students, write your response!

PROOF OF EVOLUTION



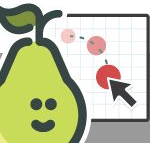
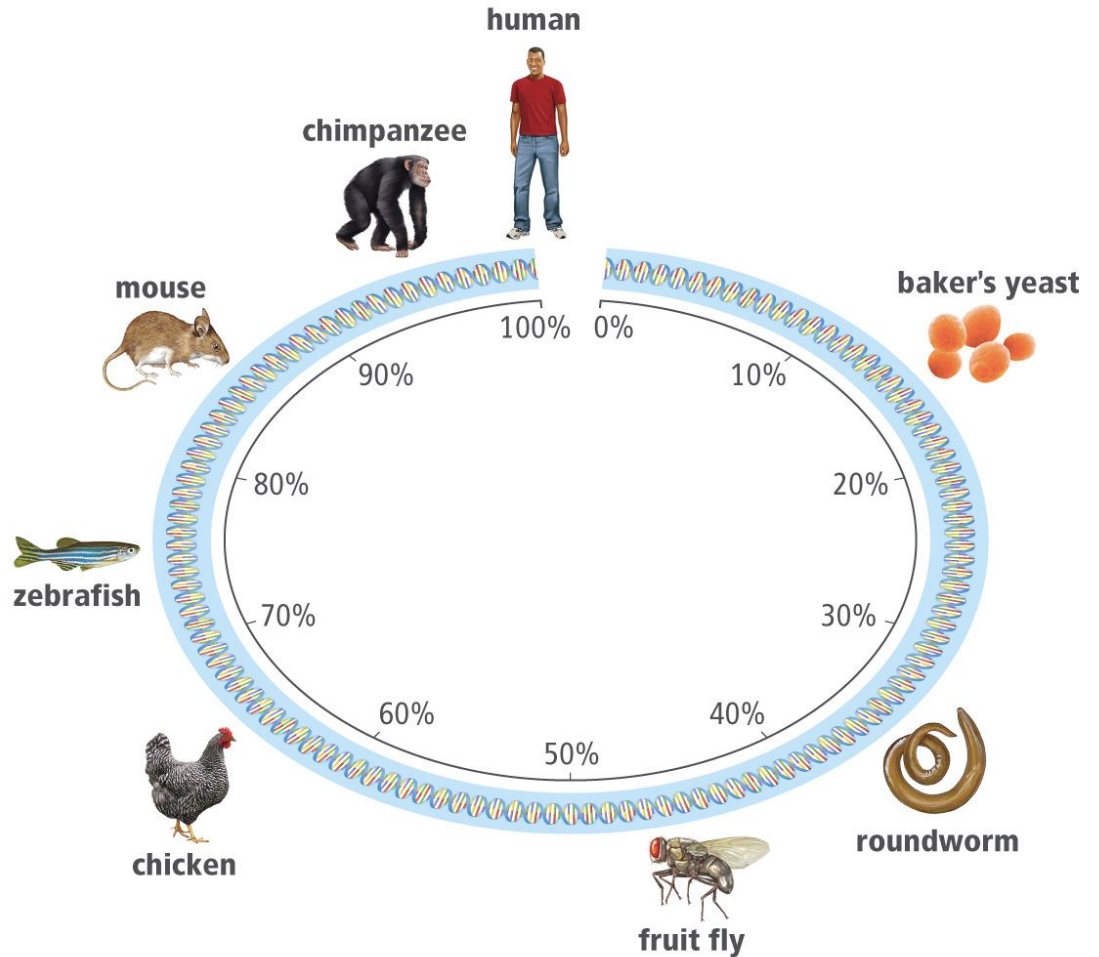
Guess what % of your DNA is the same as a chicken?



Students choose an option

Drag the **red icon** to the organism we share the **LEAST DNA** with

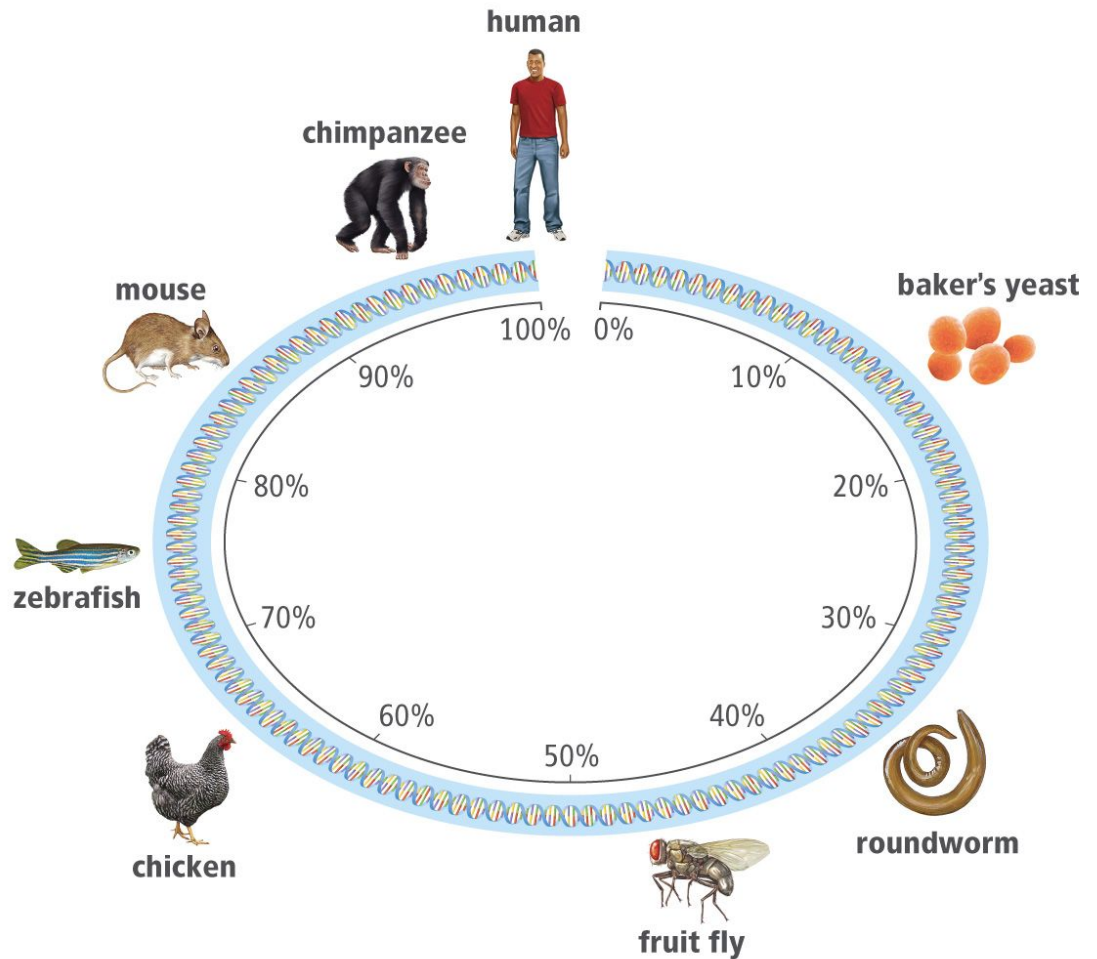
Blue icon over the organism we share the **MOST DNA** with



Students, drag the icons!



How do similarities in DNA support the claim that living things share a common ancestor?



Students, write your response!

Amino acid differences between human other organisms hemoglobin

Animal	Amino Acid Differences Compared with Humans	Appearance in the Fossil Record (mya)
Mouse	16	70
Horse	18	70
Bird	35	270
Frog	62	350
Shark	79	450

Which animal do we share the most DNA with?



Students, write your response!

Amino acid differences between human other organisms hemoglobin

Animal	Amino Acid Differences Compared with Humans	Appearance in the Fossil Record (mya)
Mouse	16	70
Horse	18	70
Bird	35	270
Frog	62	350
Shark	79	450

What do you notice about the age of the species and differences of amino acids with humans?



Students, write your response!

Do you think genetic/molecular evidence is more or less accurate than our previous pieces of evidence?



Students, write your response!

Pear Deck Interactive Slide
Do not remove this bar

Subjective vs. Objective

Subjective = based on opinion and observation

Objective = based on fact that you can test and measure

Drag the icons to categorize the evidence as subjective or objective

Fossil

Anatomy

DNA



Students, drag the icons!



What are some limitations of genetic/molecular evidence?



Students, write your response!

Pear Deck Interactive Slide
Do not remove this bar

**Will you be presenting
your Evolution Case
Files in class on
Wednesday/Friday?**



Time to research evidence 3

You may continue researching the same topic...

Try looking up

“species name + genome”

“species name + DNA + evolution”

“Cytochrome C + evolution”

“Hemoglobin + evolution”



Students, write your response!



Pear Deck Interactive Slide
Do not remove this bar