

A highly detailed, fluffy creature with grey and white fur, large black eyes, and small red horns, sitting on a cardboard box. The creature has a soft, textured appearance and is looking slightly to the right. The background is a blurred outdoor setting.

# CREATE A CRITTER VIDEO INTRODUCTION

{Living World

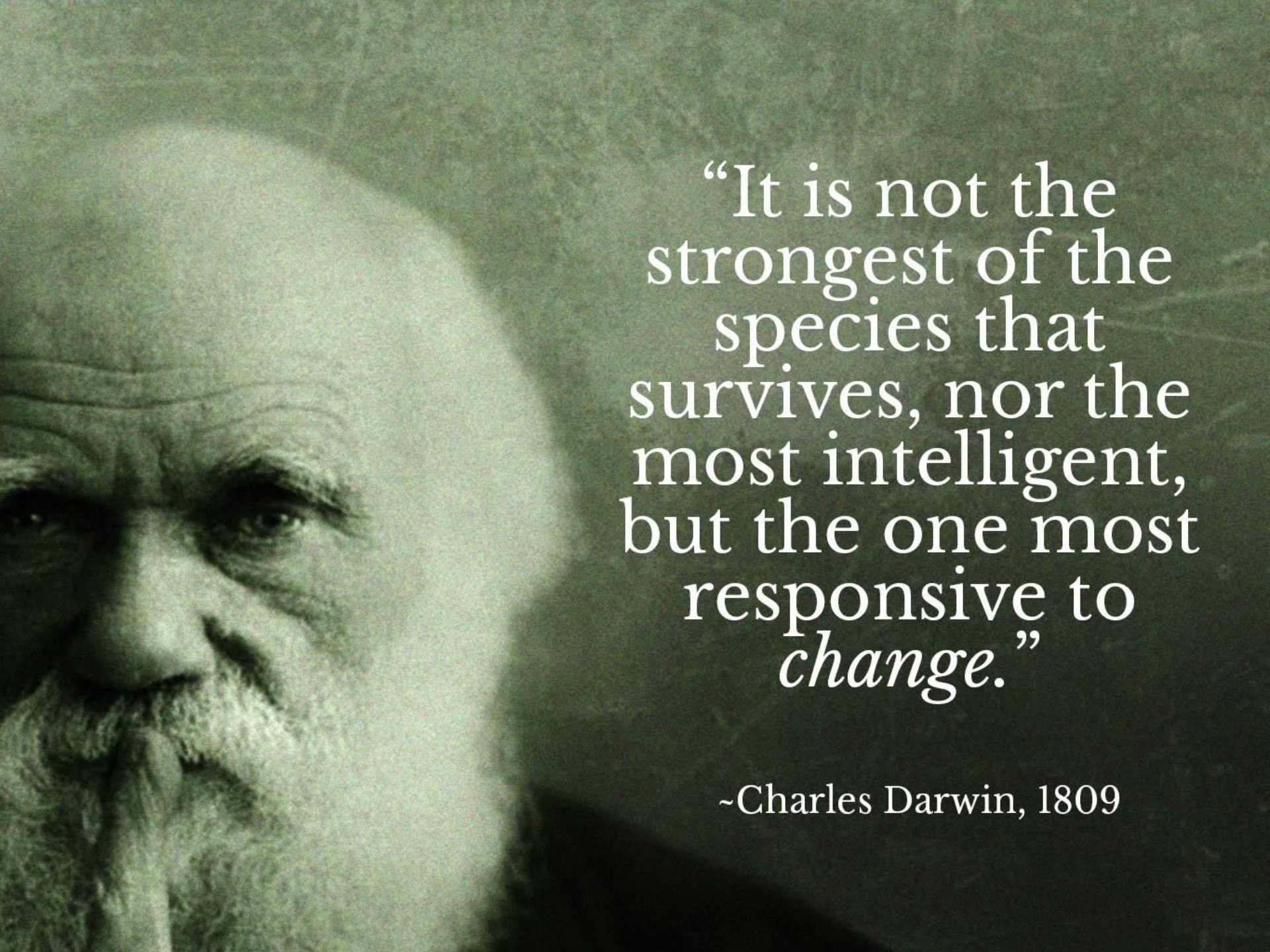
**CONGRATULATIONS, YOU  
HAVE DISCOVERED AN  
ORGANISM NEW TO  
SCIENCE!**

You will be describing it with a video

# BACKGROUND

Charles Darwin may be the most influential figure in modern scientific thinking with his simple, seemingly obvious, observations regarding the nature of the phenomenal world. Charles Darwin concluded that the explanation for the miraculous complexity of life on planet earth was due to a few simple truths in biological systems. Not only does Darwin's theory of natural selection neatly explain the origin of species but also offers significant insight into the deep nature of the material world in all the scientific disciplines.





“It is not the  
strongest of the  
species that  
survives, nor the  
most intelligent,  
but the one most  
responsive to  
*change.*”

~Charles Darwin, 1809



# INTRODUCTION

For this project you will research the adaptations animals on earth have developed to survive, then you will create a critter that can thrive in your given environment, and create a video that will be 5-7 mins and we will watch it on finals.



# INTRODUCTION

- You will work in groups of two.
- Since Darwin contended that each organism had met the test for survival, you should be able to describe some of the adaptations which define your organism.
- You should also provide a timeline for your organism's evolution.

# YOU WILL BE GRADED ON

1. That your "Critter" is particularly well suited to the "habitat" that you found it in.
2. Illustration includes at least 7 significant \*\*adaptations\*\* that are clearly described. You will describe how each adaptation has helped the critter survive to reproduce.
3. Describes which Kingdom, Genus and Species the critter should be assigned to.

# YOU WILL BE GRADED ON

Critter is imaginative and unique.

Your video is clear, detailed, creative, unique, well done and entertaining!

Adaptations are: a trait with a current functional role in the life history of an organism that is maintained and evolved by means of natural selection.



# HOW WILL YOU MAKE IT?

Our Science I pads have an app called Explain Everything. There you will be able to create your creature and move it within your environment.



Explain Everything

It takes one year for the  
Earth to go around the  
Sun



# FOR MORE TUTORIALS

If you want to see more tutorials, please see Explain Everything youtube channel.

The YouTube logo is centered on a red rectangular background. It consists of the word "You" in white, followed by a white rounded rectangle containing the word "Tube" in red.

You Tube

# HOW WILL YOU MAKE IT?

You can create a hand drawn Animation...





# HOW WILL YOU MAKE IT?

*You can Dress up and become your creature!*



# HOW WILL YOU MAKE IT?

Make your video any way you want, as long as you and your partner are creative, entertaining and meet the required check list on the assignment sheet.

When you are done, you will upload it to your Teachers youtube account!





# YOUR ENVIRONMENT

You and your partner will roll the dice and fill in the blanks to determine your creatures habitat!



# ATMOSPHERE

1. Oxygen
2. Carbon Dioxide
3. Sulfur Dioxide
4. Nitrogen
5. Hydrogen
6. Helium





# DRINKABLE LIQUID

The background of the image is a geothermal landscape, likely a hot spring area. It features several pools of water in various colors, including green, yellow, and orange, surrounded by rocky terrain with mineral deposits. The sky is a clear, pale blue.

1. Water
2. Ammonia
3. Liquid Methane
4. Hydrochloric Acid
5. Liquid Sulphur
6. Saltwater



# DAYLIGHT HOURS

1. 6 earth hours
2. 12 earth hours
3. 24 earth hours
4. 1 earth day
5. 6 earth days
6. 1 earth year



# NIGHT HOURS

1. 6 earth hours
2. 12 earth hours
3. 24 earth hours
4. 1 earth day
5. 6 earth days
6. 1 earth year



# YEAR

1. 6

2. 12

3. 24

4. 1

5. 48

6. 176

1. Earth year

2. Earth month

3. Earth week

4. Earth year

5. Earth month

6. Earth week



# DAYTIME TEMPERATURE

A dark, atmospheric forest scene with a stone path leading through dense foliage. A wooden chest sits on the path, and a glowing green orb is visible in the background. The scene is dimly lit, with a soft glow emanating from the orb.

1. 0 °F

2. 32 °F

3. 70 °F

4. 100 °F

5. 150 °F

6. 200 °F

# NIGHT TEMPERATURE

1.  $-60^{\circ}\text{F}$

2.  $-32^{\circ}\text{F}$

3.  $0^{\circ}\text{F}$

4.  $50^{\circ}\text{F}$

5.  $60^{\circ}\text{F}$

6.  $90^{\circ}\text{F}$



# ENVIRONMENT LIKE EARTH



1. Desert

2. Rainforest

3. Mountains

4. Artic

5. Ocean

6. Boreal Forest



**HAVE FUN AND BE  
CREATIVE!**

