

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

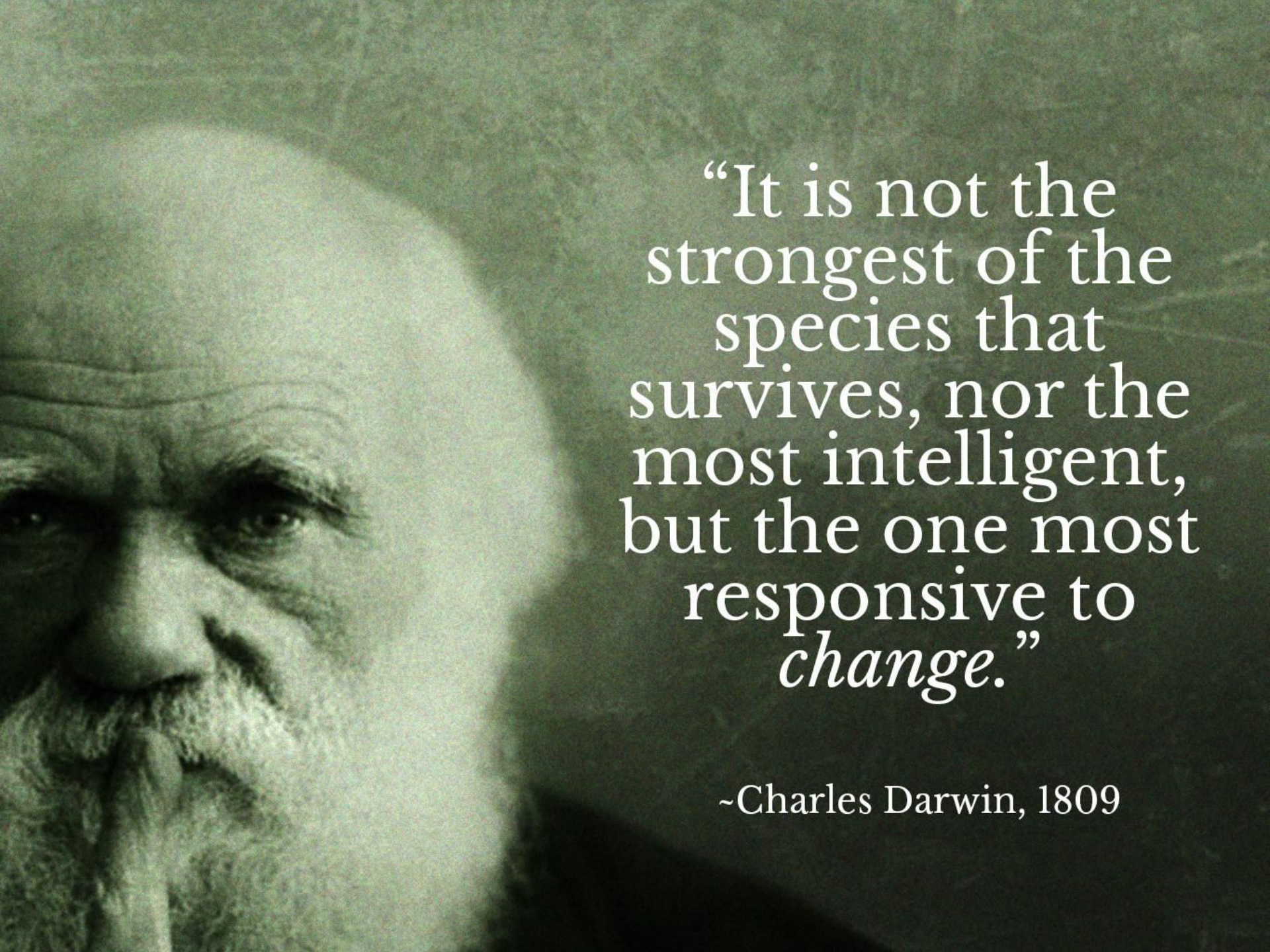
{Living World

**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?

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!



HOW WILL YOU MAKE IT?

Make a Movie you can use your phones or iPads. Here is an example



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

A geothermal landscape featuring several mineral pools and rock formations. The pools are filled with liquids of various colors, including green, yellow, and orange, indicating different mineral compositions. The surrounding terrain is rocky and covered in mineral deposits, with some areas appearing dark and others lighter. The overall scene is a natural, rugged environment.

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°F

2. -32°F

3. 0°F

4. 50°F

5. 60°F

6. 90°F

ENVIRONMENT LIKE EARTH



1. Desert

2. Rainforest

3. Mountains

4. Arctic

5. Ocean

6. Boreal Forest

**HAVE FUN AND BE
CREATIVE!**

