

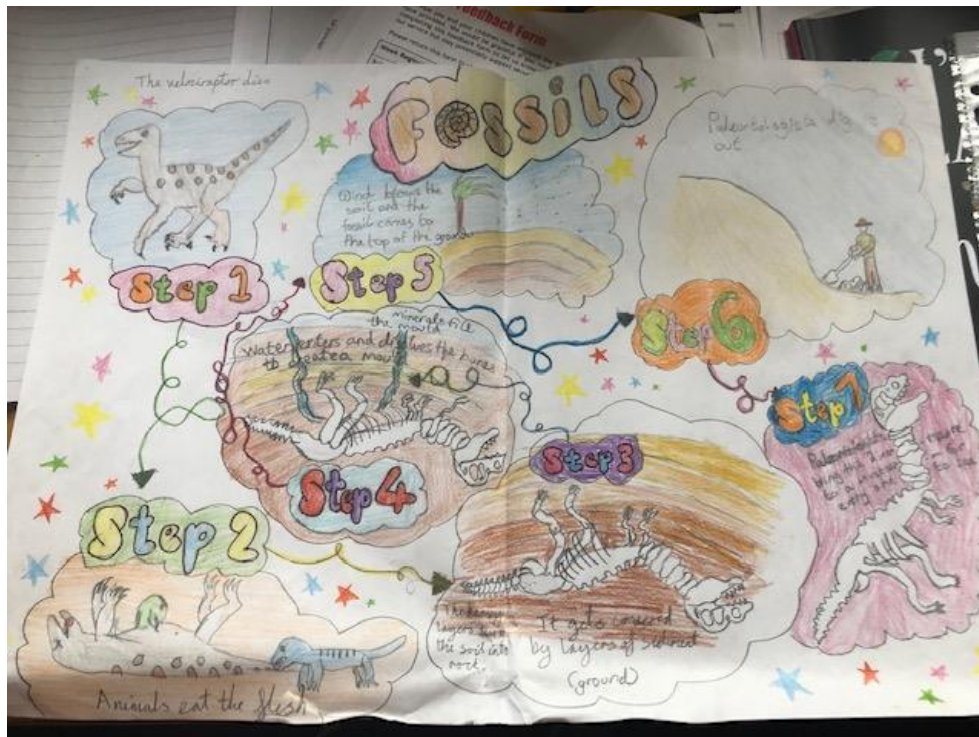
## Task 1, 2 and 3 - Evidence for Evolution

**Aim: To examine the evidence demonstrating how living things have evolved.**

To learn about this area of the topic, I have sent several videos for you to watch. The sensible thing to do, as you watch the videos, is to make notes.

**Task: The final task will be for you to produce an illustrated flow diagram explaining how fossils are formed. Here is an example from last year**

A flow diagram - uses arrows and numbered points to explain a point.



### **Learning Point 1 - Recap prior learning**

#### **Watch - What is natural selection?**

What is Natural Selection?  
Stated Clearly • 1.9M views • 6 years ago  
Support Stated Clearly on Patreon: <https://www.patreon.com/statedclearly> Special thanks to Rosemary at Bird and Moon Comics ...  
CC

<https://www.youtube.com/watch?v=OSCjhI86grU>

## Learning point 2a- Scientist use different ways of observing the evolutionary process:

1. Comparative Anatomy  
( comparing body parts )
2. Embryology and development  
( studying the fetus in the mother's womb - before birth)
3. Fossil Records
4. DNA

### Watch: What is DNA and how does it work?




What is DNA and How Does it Work?  
Stated Clearly • 2.9M views • 7 years ago  
Click this link to take a survey about this video: <https://www.surveymonkey.com/r/VM8CFFL> Support Stated Clearly on Patreon ...  
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<https://www.youtube.com/watch?v=zwibgNGe4aY&t=103s>

## Learning Point 2b - Darwin believed that all living things originated from a "Common Ancestor"

# Tree of Life



Darwin believed that there was a single point of origin for all living things and that we then evolved into the living things that we are today through a process of adaptation.

This was the original diagram by Darwin that shows how all living things were related.

*I think  
D  
C  
B  
A  
The letters A, B, C, D  
top of column, C & B. The  
first predation, B & D  
rather greater distance  
than space until he  
formed. - the day after*

## Watch: - What is the evidence for Evolution?



<https://www.youtube.com/watch?v=IEoO5KdPvg&t=14s>

**Learning Point 3** Darwin used fossils as evidence to support his theory of evolution.

Fossils can come in a variety of forms:

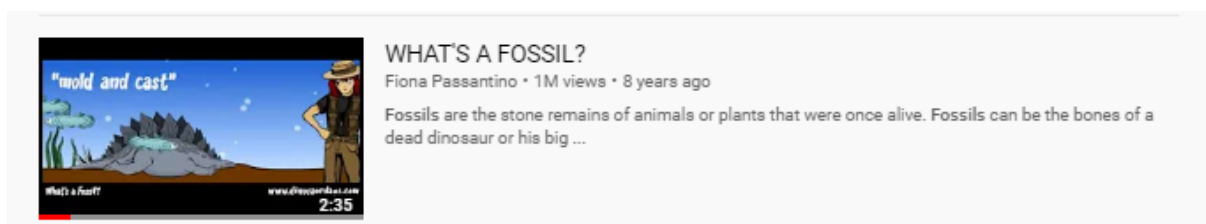
- 1) Preserved animals ( Frozen )
- 2) Tree sap ( Amber )
- 3) Mould and cast

## Watch - How are fossils made?



<https://www.bbc.co.uk/bitesize/topics/z9bbkqt/articles/z2ym2p3>

## Watch - What's a Fossil?



<https://www.youtube.com/watch?v=3rkGuOBI+KM>

## Watch - What are fossils and how are they formed?



<https://www.youtube.com/watch?v=xQBkawjFVIA>

## Watch - Top 10 Animal Fossils Frozen in Time



<https://www.youtube.com/watch?v=X3asdnyWmSs>

## Watch - 10 Incredible Amber-Preserved Fossils That Show Life Millions Of Years Ago



[https://www.youtube.com/watch?v=P1cj\\_vri74U](https://www.youtube.com/watch?v=P1cj_vri74U)

\*\*\* Not for the squeamish\*\*\*

## Watch - 11 Most Well Preserved Animals



<https://www.youtube.com/watch?v=7SUJdhAhyoE>