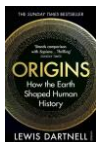
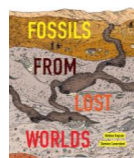
	<h1>Geography Knowledge Organiser</h1> <p>Year Group : 9</p> <p>Topic: Origins: How the Earth Shaped Human History</p> <p>Half Term: Spring one and two</p>
---	---

## Suggested Reading

**Origins: How the Earth Shaped Human History**  
Lewis Dartnell



**Fossils From Lost Worlds**  
Hélène Rajcak

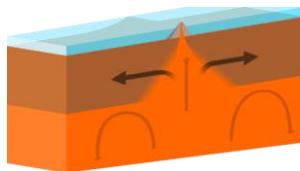


**Spirit Walker**  
Michelle Paver



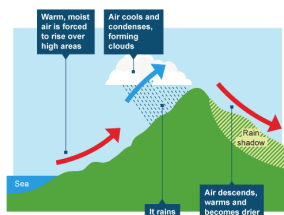
## Key Process and concepts

### Divergent Plates



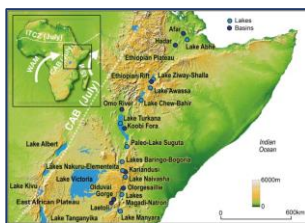
As the two plates move apart, due to convection currents in the mantle, new magma rises from the mantle to fill the gap between them. It cools to create new crust and volcanoes.

### Relief Rain (in the East African Ridge Valley)



As warm moist air is pushed upwards, it cools and condenses leading to rainfall.

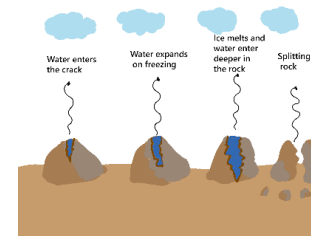
### Amplifier Lakes



Amplifier Lakes are lakes that are found in Rift valleys. Due to high levels of **precipitation** in the highlands of the rift, and high levels of **evaporation** in the lake area, these lakes are very sensitive to changes in **global temperature**

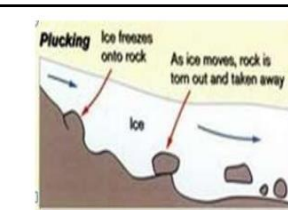
## Key Process and concepts

### Freeze-Thaw



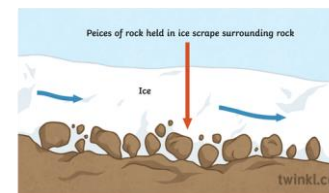
Water enters crack in the rocks. Temperatures fall at night, causing water to freeze. When water turns to ice it expands (gets bigger). This pushes on the rock, making the crack bigger. The ice melts, and the process starts all over again.

### Plucking



Rocks become frozen into the bottom and sides of the glacier. As the glacier moves downhill it '**plucks**' the rocks frozen into the glacier from the ground

### Abrasion

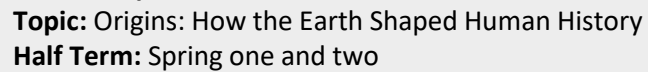


As the glacier moves downhill, rocks that have been frozen into the base (the bottom) and sides of the glacier scrape the rock beneath. The rocks scrape the bedrock like sandpaper, eroding away the ground.

### Fertile Crescent



10,000 years ago, our ancestors began to grow and cultivate crops. The earliest evidence of agriculture was discovered in the fertile crescent, this was likely due to the fertile land found here, due to river flooding in the area caused by the shifting of tectonic plates.



The Silk Road was a network of Eurasian trade routes active from the second century BCE until the mid-15th century. Spanning over 4,000 miles, it played a central role in early trade.

Fusion is the **process that powers the sun and the stars**. It is the reaction in which two atoms of hydrogen combine together, or fuse, to form an atom of helium. Scientist hope that this could be the answer to halting climate change.

[GCSE Geography Revision - Internet Geography](#)