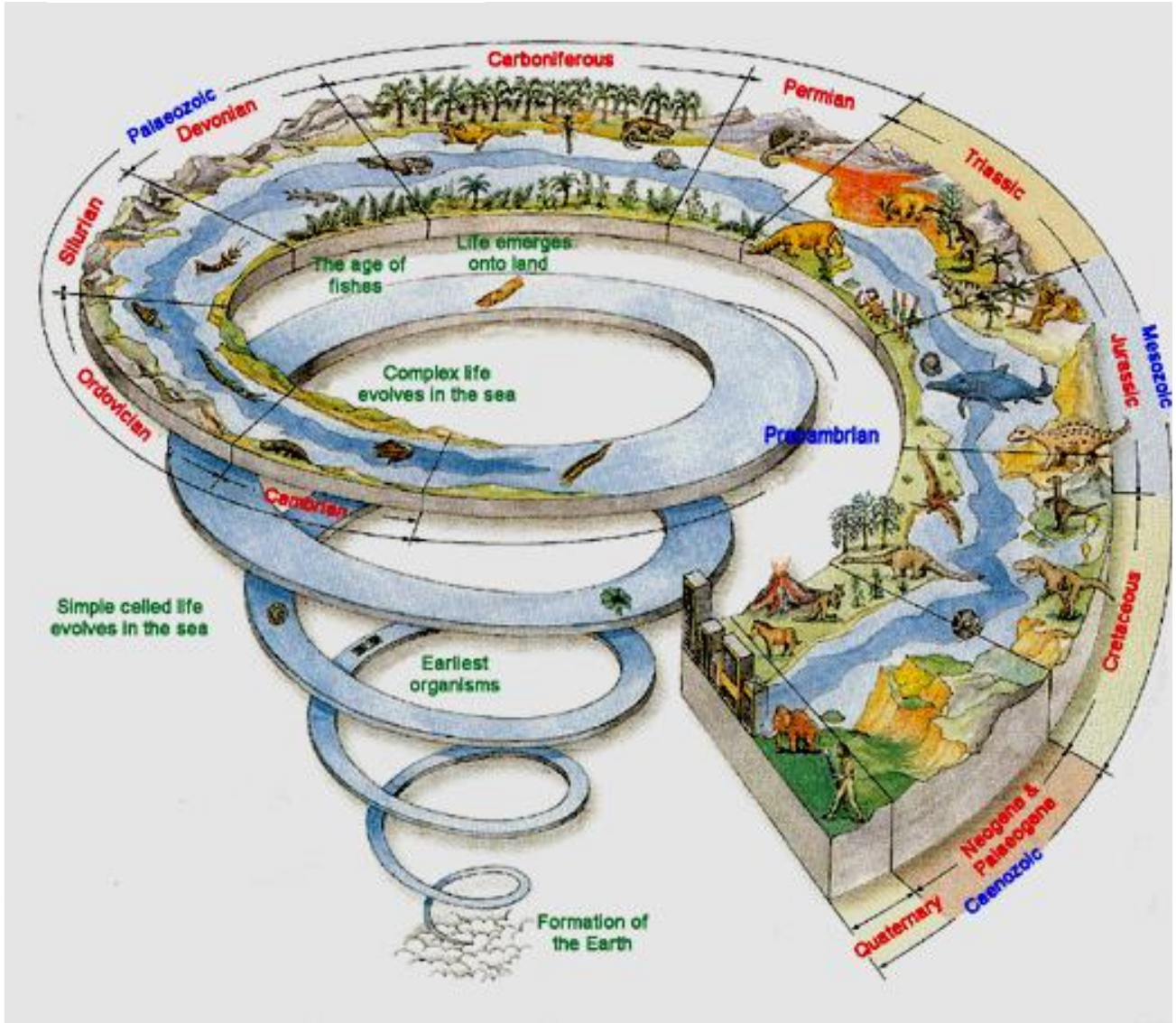


Earth's Timeline



<http://www.dinosaurisle.com/timeline.aspx>





1. Write a few lines to describe the origin of sponges, their habitat, some of their features, and their feeding, respiratory and excretory systems.





Panel to use: "Sponges & Flint"

Display case "Sponge case"

Text panel to the right of the display case "The Chalk Sea"

2. **Yaardia** - Phylum: mollusk Class: bivalve

a. How were these bivalves adapted to survive predators?

b. Which animal was their predator? _____



Panel to use: "Clam Digging in the Cretaceous" & "The Chalk Sea"

Display case "The Greensand Sea", Object 13, "The Vectis Lagoon" for a skull

3. Some animals were able to live on the Chalk Seafloor.



a. Name two animals. _____

b. Describe their adaptations to their habitat.

Panel to use: "Life in the Soup"



4. All about dinosaurs

a. What is a dinosaur?

b. When did they live?

c. Who created a group to classify dinosaurs? When?

d. How are dinosaurs different from other reptiles?



e. Were dinosaurs warm-blooded or cold-blooded? _____

f. Name one subdivision of the dinosaurs and give names of species belonging to this division. _____

Panel to use: "What are dinosaurs?", "Reptilian rhinos", "Beginning to understand dinosaurs", "Iguanodon – a bird-hipped dinosaur"
Grey panel: Britain's best known dinosaur? 1. A headless skeleton

5. The Isle of Wight is one of the world's great dinosaur localities.

a. Why is there such a large variety of species on this site?



b. Which fossilized remains were found here?

c. Which conditions helped to preserve so many dinosaur remains in this area (Isle of Wight)?



Panels to use: "Where are dinosaurs found?"

Table: Where we find dinosaurs

6. What are pterosaurs? _____



a. What was their diet? Give reason for your answer.

b. Are they dinosaurs? _____

Panels to use: "Above their heads", "What are dinosaurs?"

7. Where did dinosaur fossil bones get their color from?

Panels to use: "The pink Iguanodon"

8. According to most scientists, when and how did the dinosaurs become extinct?

Panels to use: "Extinction?"



9. Why did Thomas Huxley, a famous scientist, suggest that birds were just small dinosaurs with feather? Name one such species.

Panels to use: "Dinosaurs and birds"

10. Name three carnivorous dinosaurs.

a. To which group of dinosaurs do they belong? _____

b. Which other sub-group of dinosaurs belong to this group? _____

Panels to use: "Wealden killers"

11. Which evidence helped William Fox decide that Hysilophodon was a different genus? _____



a. What does the name mean?

b. How was the binomial name "Hysilophodon foxii" invented?

Panels to use: "Britain's best known dinosaur?" 2. Finding the head

12. **Scientific argument – the identification of Hysilophodon**

a. What did Richard Owen and Henry Huxley argue about?



b. Who was the winner Iggy or Hysi? _____

Panels to use: "Britain's best known dinosaur?" 3. Dinosaur scientists fight over old bones

13. Describing Hysilophodon

a. Write a brief description of Hysilophodon.

b. What did it eat? _____

c. From the reconstructed skeleton would you say that it was a slow or fast runner?

Panels to use: "Britain's best known dinosaur?" 4. What is Hysilophodon?
Information on left hand side of "Wealden Killers"
Display: Perspex box with black partial reconstruction of *Hysilophodon*

14. Other evidence for the size of dinosaurs

What evidence, other than body fossils, is there for the huge size of some of the dinosaurs that once lived?

If you have a tape measure – how wide are they?

Area to look: by the pink Iguanodon

