1. DINOSAURS & THE GEOLOGICAL TIMESCALE

a) Use the information below to match the dinosaurs to the correct geological time period.

- Present day
- Cenozoic
- 66 years ago: Cretaceous
- 145 years ago: Jurassic
- 201 years ago: Triassic
- 252 years ago

<table>
<thead>
<tr>
<th>Millions of years ago</th>
<th>Triceratops</th>
<th>Eoraptor</th>
<th>Baryonyx</th>
<th>Brachiosaurus</th>
<th>Scelidosaurus</th>
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b) Which dinosaur lived most recently?

Triceratops

C) Tyrannosaurus rex lived in the same geological time period as Triceratops, what is the name of this time period?

Cretaceous (late Cretaceous)

2. WHAT ARE DINOSAURS

a) Name two of the characteristics or features that all dinosaurs share

Any two from: lay hard shelled eggs, build nests, walk with their limbs underneath their body, stand on their toes rather than their whole foot, live on land

b) What is the name of the English scientist who came up with the name ‘Dinosaur’?

Sir Richard Owen

c) How many years ago was the name ‘Dinosaur’ invented?

Current year - 1842

e.g. 2017 – 1842 = 175 years ago
a) Draw arrows to show the direction of energy transferred in this Cretaceous food chain.

Fern → Energy transferred → Triceratops → Energy transferred → Tyrannosaurus rex

b) Using the boxes, label the producer and consumers in this food chain.

Producer: Fern
Consumer (primary consumer): Triceratops
Consumer (secondary consumer): Tyrannosaurus rex

c) Did you know there were other animals around at the same time as the dinosaurs? Use the information below to create a different Cretaceous food chain.

Velociraptor was a predatory dinosaur. It would have eaten small mammals, lizards and even other dinosaurs.

Termites are a type of insect that would've eaten dead plants such as cycads.

Small mammals such as Spinoleses would've eaten insects.

Cycads are a type of plant that would have been around in the Cretaceous period.

Food chain:
Producer: Cycad
Consumer: Termite
Consumer: Small mammal / Spinoleses
Consumer: Velociraptor

d) What adaptations did most theropod dinosaurs have to make us think they were carnivores? (Theropod dinosaurs: T. rex, Velociraptor, Allosaurus, Spinosaurus, Deinonychus etc.)

- Sharp serrated teeth for slicing through flesh
- Strong jaw for crushing bones
- Sharp claws for grasping prey,
- Good eyesight to seek out prey
- Strong muscular legs
- Large nostrils for smelling prey