Earth Science 11 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Prehistoric Creature Report**

Life has been evolving for millions of years on Earth. Their remains are often preserved as fossils, allowing scientists to reconstruct what they looked like and how they behaved.

Today, you are a paleontologist, and your assignment is to research one specific prehistoric creature and prepare a short report on it.

For this assignment, you will research one of the prehistoric animals from your teacher’s list, and write a short informative essay that includes the following:

**The Creature:**

* The name of your creature,
* Description (size, shape, classification, etc..)
* When it lived (age and time period)
* Where it lived
* Diet and Predators
* Its place in Evolution
* Modern relatives?
* Is your model a good reconstruction of your prehistoric creature? Why?

**The Fossil**:

* When your fossil was found
* Who found it
* Details of its discovery

**Images:**

* One minimum

Your report may not be more than one page long, handwritten or typed. You will make a double sided card by folding a piece of white paper in half, with the name and an image of your prehistoric creature on the front, your essay inside, and your Reference list on the back.

You will have one class in which to do research, and a portion of the following class to finalize your product. There will be an opportunity to share your findings with your classmates.

You must include a reference list in APA format. Use this page for point form notes.

**References**: open a Word document on your laptop or other device, and record any sources you collect information from. Format this in APA style, and print it before you leave the library at the end of class. You can also print an image of your species (and its name in a cool font), if you prefer not to draw it, but be sure to include its source in your references. The image should be slightly less than half a page long to fit onto the front of your creature report.

**The Paleoart Reconstruction**

In paleontology, we will never actually know what prehistoric creatures looked like. All we can do is use the fossil evidence and infer muscle, skin, and colours using modern analogues.

As we investigate our prehistoric animal, consider whether or not your model is a good reconstruction of your creature.

**Draw and colour your prehistoric creature model in the box below:**

**Rubric**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CRITERIA** | **Awesome****10 - 9** | **Nice job!****8 - 7** | **Ok :/****6 - 5** | **Butler?****5 - 0** |
| **Information about your Prehistoric Creature** | Demonstrates very good knowledge and understanding of the science. Answers the questions thoroughly. | Demonstrates good knowledge and understanding of the science.Answers the questions. | Demonstrates some knowledge and understanding of the science.Does not answer the questions. | Did not demonstrate knowledge and understanding of the science. |
|  | **5** | **4** | **3** | **2 - 0** |
| **Citing Sources** | All sources cited in APA style. 3 sources min. | Most sources cited in APA style. 2 sources min. | Links to sources are included. Sources are not cited. | Does not include sources. |

**Prehistoric Creatures**

1. Jellyfish
2. *Anomalocaris* (Brgess Shale)
3. *Opabinia* (Burgess Shale)
4. *Laggania* (Burgess Shale)
5. *Wiwaxia* (Burgess Shale)
6. *Pikaia* (Burgess Shale)
7. *Olenoides* (trilobite)
8. *Psychopye* (trilobite)
9. Brown Trilobite (trilobite)
10. Red Ammonite (ammonite)
11. *Pachydiscus* (ammonite)
12. *Cephalaspis* (jawless fish)
13. *Bothriolepis* (jawless fish)
14. *Dunkleosteus* (armored fish)
15. *Eusthenopteron* (lobe-finned fish)
16. *Coelacanth* (lobe-finned fish)
17. *Cladoselache* (shark)
18. *Megalodon* (shark)
19. *Acanthostega* (amphibian)
20. *Diplocaulus* (amphibian)
21. *Dimetrodon* (reptile)
22. *Shonisaurus* (ichthyosaur)
23. *Ichthyosaurus* (ichthyosaur)
24. *Temnospondylus* (ichthyosaur)
25. *Plesiosaurus* (plesiosaur)
26. *Liopleurodon* (pliosaur)
27. *Tylosaurus* (mosasaur)
28. *Archelon* (turtle)
29. *Deinosuchus* (crocodile)
30. *Dimorphodon* (pterosaur)
31. *Pteranodon* (pterosaur)
32. *Pteranodon* (pterosaur)
33. *Quetzalcoatlus* (pterosaur)
34. *Diplodocus* (sauropod dinosaur)
35. *Stegosaurus* (plated dinosaur)
36. *Pachyrhinosaurus* (horned dinosaur)
37. *Triceratops* (horned dinosaur)
38. *Pachycephasaurus* (dome-head dinosaur)
39. *Ankylosaurus* (armored dinosaur)
40. *Allosaurus (theropod dinosaur)*
41. *Albertosaurus* (theropod dinosaur)
42. *Tyrannosaurus* (theropod dinosaur)
43. *Spinosaurus* (theropod dinosaur)
44. *Therizinosaurus* (theropod dinosaur)
45. *Ornithomimus* (theropod dinosaur)
46. *Microraptor* (theropod dinosaur)
47. *Caudipteryx* (theropod dinosaur)
48. *Velociraptor* (theropod dinosaur)
49. *Utahraptor* (theropod dinosaur)
50. *Sinosauropteryx* (theropod dinosaur)
51. *Archaeopteryx* (bird)
52. *Gastornis* (bird)
53. *Andrewsarchus* (mammal)
54. *Smilodon* (mammal)
55. Wooly Mammoth (mammal)
56. Orca Whale (mammal)