VL: Mass Measurement Assignment

This Virtual Lab has TWO PARTS:

- 1. Virtual Lab Google Form
- 2. Analysis Question

Part 1: Complete the VL: Mass Measurement Google Form:

https://docs.google.com/forms/d/e/1FAIpQLSeYzM0U39Ch7G8DzqtHcGWlzKwaIPYmrxPC7BiFzPJ-uxtpHA/viewform?usp=sf_link

DO NOT attempt the Analysis Question without doing the Virtual Lab!

DO NOT copy from the Internet

USE Good Writing Strategies!

Part 2: Analysis Question

Explain the FOUR step process of using a triple arm balance to measure mass.

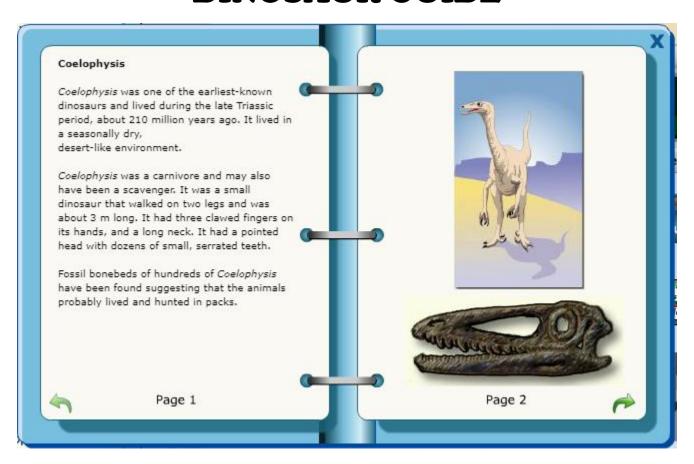
(HINT: you only did ONE of the FOUR – the first three steps were completed for you in the lab's questions.)

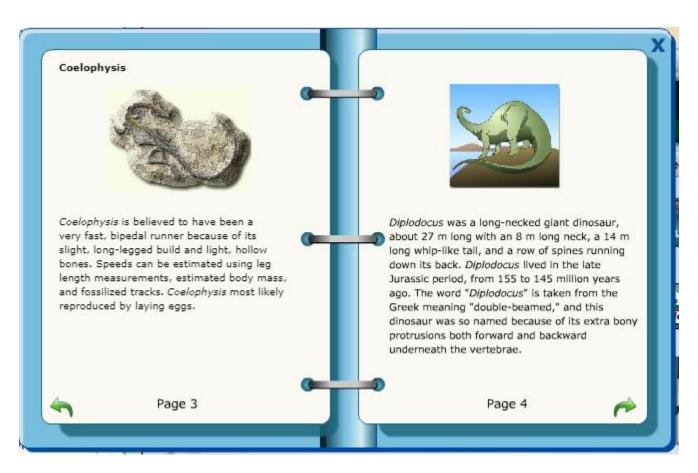
ANSWER:

Capitalization
Punctuation
Complete Sentences

- 1. start all arms of the balance at zero
- 2. place the object on the balance
- 3. adjust each arm until the balance balances
- 4. add the numbers from each arm

DINOSAUR GUIDE







Diplodocus had a horse-like head that was less than 60 centimeters long. The nostrils were at the top of the head. Diplodocus was an herbivore with peg-like blunt teeth in front of the jaws useful for stripping leaves of plants. It may have swallowed stones that remained in its stomach to help digest the leaves.



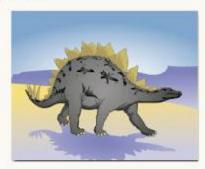
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Diplodocus had thin, fragile, ribs that helped support and protect the internal organs. These ribs were attached to the skin in the belly area. Diplodocus' intelligence as measured by its relative brain to body weight was among the lowest of the dinosaurs.

Fossilized tracks and other evidence indicate that Diplodocus walked slowly on four elephant-like legs with five-toed feet and a thumb claw on each foot. It is believed that it could hold its neck only about 5.4 m off the ground. These dinosaurs may have traveled in herds. They probably laid eggs and it is likely that they did not take care of their eggs.

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Stegosaurus



Stegosaurus lived during the late Jurassic period, about 156-140 million years ago. Stegosaurus was up to about 9 m long, about 3 m tall and weighed about 3100 kg. Its small brain weighed less than 100 grams, making its intelligence as measured by its brain to body weight relatively low among dinosaurs.





Stegosaurus had triangular plates embedded in its back. They were made of bone and were probably filled with blood vessels. The function of these plates is not known, they may have been used to regulate the dinosaur's temperature. The largest of these plates was about 75 cm in diameter. For protection from predators Stegosaurus had spikes at the end of its flexible tall and an armor-like skin on the neck, and perhaps on some other parts of its body.

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