

**INVESTIGATION QUESTION**

What conditions in the Jurassic world made it possible for animals to grow to such extraordinary sizes?

**HYPOTHESIS**

*Hint: try writing it as "If \_\_\_\_, then \_\_\_\_, because \_\_\_\_."*

**MATERIALS**

*measuring tape or long string, open space, calculator*

**Measurement Table**

Dinosaur	Length (m)	Equivalent in cars	Equivalent in your heights	Estimated weight
Brachiosaurus (~26m)				
Diplodocus (~27m)				
Stegosaurus (~9m)				
African elephant (for comparison)				

**ANALYSIS**

*What features of the Jurassic environment (climate, plant life, oxygen levels) might have supported gigantism in dinosaurs?*

**CONCLUSION**

*Sauropods had very long necks. Research two competing hypotheses for why sauropod necks evolved to be so long. Which hypothesis do you find more convincing?*

**CONNECT IT**

*Archaeopteryx is considered one of the earliest known birds. Look up what features it shared with theropod dinosaurs and what features were more bird-like. Draw a simple diagram labeling both.*

**THINK FURTHER**

*No land animal today comes close to the size of the largest sauropods. What biological or environmental limits prevent modern animals from reaching those sizes?*

**ADDITIONAL NOTES**