

INVESTIGATION QUESTION

How does Earth's size compare to the larger structures it is part of?

HYPOTHESIS

Hint: try writing it as "If _____, then _____, because _____."

Scale Research Table

Layer	Approximate Size or Distance Across
Earth	
Solar System	
Milky Way Galaxy	
Observable Universe	

Scale Comparison

If Earth were the size of a period (about 0.5mm), approximately how large would the Milky Way be? Show your work.

ANALYSIS

Which comparison surprised you the most? Why?

CONCLUSION

What does your cosmic address tell you about Earth's place in the universe?

CONNECT IT

Look up the Pale Blue Dot photograph (Voyager 1, 1990). In 2-3 sentences describe what you see and what it makes you think about.

THINK FURTHER

There are an estimated two trillion galaxies in the observable universe. Write a sentence putting that number in perspective using something from your everyday life.

ADDITIONAL NOTES