

***Bill Nye: Biodiversity***

*As you watch this video, answer the following questions about its critical concepts.*

1. All environments are Earth on crowded with \_\_\_\_\_.
2. Ecosystems contain both \_\_\_\_\_ and \_\_\_\_\_ - \_\_\_\_\_ parts.
3. Describe what Bill Nye was trying to demonstrate by removing some of the blocks in his tower of blocks.
4. What does the expression “You pick a flower without jiggling a star” say about ecosystems?
5. In *Consider the Following*, Bill Nye makes a special request to not spread out our development projects. **WHY?**
6. Name at least two species that have gone extinct. (*four were shown*)
7. The “best way to wipe out a species” is to change its \_\_\_\_\_.
8. In the area where the students were digging out invasive plants, what was on that land originally, before it was a dump?
9. The largest ecosystem in the world is \_\_\_\_\_, where 2/3 of all species live.
10. Name **five** things you can do to guarantee biodiversity.
  - 1) \_\_\_\_\_
  - 2) \_\_\_\_\_
  - 2) \_\_\_\_\_
  - 4) \_\_\_\_\_
  - 5) \_\_\_\_\_
11. Of the 30,000,000 species on Earth, how many are lost each HOUR? \_\_\_\_\_
12. In conclusion, Bill Nye states that “As more and more species disappear, it’s harder and harder to keep an ecosystem in balance *because we don’t know* **WHAT?**”
13. To keep our ecosystem healthy, we must keep our \_\_\_\_\_.

***Other Questions:***

14. What is a BIOME?

15. What ***abiotic*** factors determine the type of biome?

16. What factors made grasslands instead of forests?

17. Why does a mountain have a series of different biomes even though the mountain is located in one geographical area?