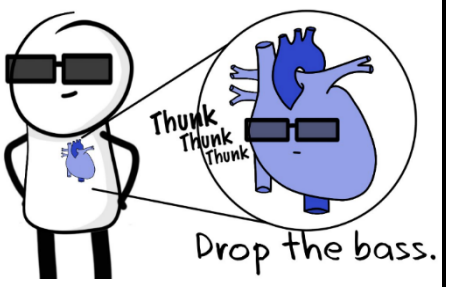
Amoeba Sisters | Video Recap

NAME: _____

Amoeba Sisters Video Recap: *Levels of Organization*

Writing Exercise

1. View the cartoon image at right. You've been volunteering in a kindergarten classroom, and one of the children asks about the biological levels of organization that you are studying (in random order): **tissues, cells, organ systems, organs**. From <u>smallest to largest</u>, explain these levels as they relate to the cartoon image below. Remember, it is unlikely the children in this kindergarten class have taken an advanced science course *yet* so keep this in mind when making your explanation.



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Make Your Own Biotic vs. Abiotic Infographic!

2. As we move into larger biological levels, it's important to understand the vocabulary terms: **abiotic** and **biotic**. Design a Biotic vs. Abiotic Factors infographic (with examples) that classmates could use to tell the difference between the two.

Select a biome that you will use in #7 and write that biome on the line. Then, list potential biotic and/or abiotic factors in #3-6. Describe the levels of #7 and 8. If any level below includes abiotic factors, circle the level!

3. Organism (Individual)

4. Population

5. Community

6. Ecosystem

7. Biome (Selected biome: _____)

8. Biosphere

9. Biology encompasses all levels of biological organization, but scientists can specialize in studying a certain level. Which specific level(s) might a scientist might focus on if investigating genetic links to certain types of cancer?