Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Solar LEAFHouse post-trip assignment

Answer the following questions by typing your answer in the space provided. Upload this document to ELMS in the Post-trip Assignment section before Friday 10/12 at 11:59pm.

1. Why was the house called “LEAF”House? What design element of the house represented this?

2. What kind of data did the NEURIO software that Renee highlighted collect? Why would this kind of information be useful for a house utilizing solar energy?

3. Please describe the purpose and basic process of the liquid desiccant wall we saw.

4. Like the liquid desiccant wall, think of all the small, yet deliberate design choices that were made in LEAFHouse to ensure that it follows sustainable practices while maximizing its productivity? Provide two more examples that you saw and explain how they balanced sustainability with efficiency.

5. The UN has recently decided to promote improved building standards that highlight sustainable technology, like what we saw at LEAFHouse. Pick a Sustainable Development Goal and describe how the implementation of sustainable building standards could improve that goal.

6. Why is commercialization of these technologies important to the concept of sustainability?

SOPHOMORES ONLY

1. Bo emphasized the need to exhibit sustainable technology and showcase it, so it is easily understandable, such as a rain barrel. In around 350 words, pick a type of sustainable technology of your choice that you believe should be showcased to the public. Explain why you believe it is important to share this specific technology and describe how you would showcase it. Use this as an opportunity to think of some creative ways you can make a sustainable concept easy to understand!