

# Biosphere 2: An Introduction to Systems

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Submit the final report to Managebac

## Website Resources:

<http://www.biospheres.com/>

[NPR Biosphere 2: 2002](#)

[Interview with a Biospherian](#)



---

Do a websearch on for more information. Answers should be written in sentence form and include evidence to support your answer.

---

1. What is a system? How is Biosphere 2 an example of a system?
2. Compare the characteristics of open, closed, and isolated systems. Give examples of each.
3. Determine whether Biospheres 2 is an isolated, open or closed system. Explain your reasoning.
4. The first law of thermodynamics is the law of conservation of energy. Describe two ways that energy is transformed from one form to another in Biosphere 2.
5. Flows in a system can be transfers or transformations. Give examples of transfers and transformations in Biosphere 2.
6. What function/purpose did this experiment have? Consider the types of research that are taking place.
7. Considering the cost of construction, is it feasible for a large group of people to live in Biosphere 2? Could we all live like this someday? Why or why not?
8. What kind of system is Victoria Shanghai Academy: open, closed or isolated? Explain briefly.