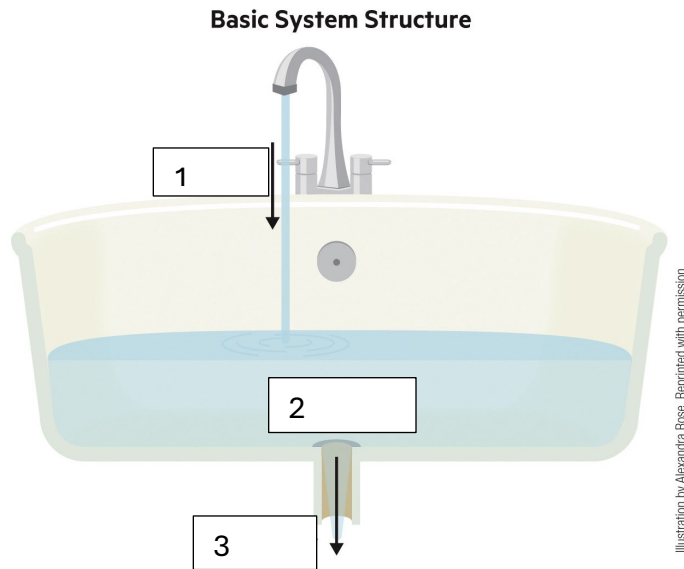


Natural resources and civilizations

Quiz two Content from week 2 and 3 – Human Systems and Egypt to Rome

1. Name the basic components missing from this diagram.



1

2

3

2. Name the following equation _____.

$$rT = S/F, \text{ where}$$

S = size of stock

F = rate of transfer

3. Use your answers from questions 2 and 3 to discuss how your bank account changes
4. Which of the following elements contributes the most to the Dead Zone in the Gulf?
A. Arsenic B. Nitrogen C. Carbon D. Oxygen
5. It is important to understand the Nitrogen and Phosphorus cycles as they are linked to ___?___ and our environmental health.
A. Agriculture B. Energy C. Transportation D. Infrastructure
6. Greenhouse gases include..?
7. Do all greenhouse impact our climate equally, explain....
8. Be able to explain the role temperature plays in our ocean's ability to retain or release greenhouse gases.
9. What are the qualities of a systems thinker? And how would being a systems thinker lead to true cost accounting and limiting negative externalities?
10. Be able to provide an example of an open and closed system.

Rome and Naples article:

11. What lessons can be learned from the development of Rome as a city?
12. What are some of the limiting factors that made it easier to grow Rome and harder in Naples?
13. How can we use the knowledge from the paper to discuss growth and sustainability in Iowa, Wisconsin, Minnesota, Illinois and the upper Midwest?

From lecture:

14. Be able to compare and contrast the Egyptian and Roman Civilizations through history and SWOT analyses.