Name:	Date:	Period:
Lesson 1 Assessment Part 1 Fill in the Plank (10 maints)		
Part 1:Fill in the Blank (10 points) Complete each statement by filling in the blank wit used once, more than once, or not at all.	th the best vocabu	ılary term. Words may be
WORD BA	ANK	
Environmental Science** Scientific Research Resources**Conflict**Ecosystem Serv ** Tragedy of the Commons**	vices**Environme	ental Degradation**
1 is the ca	apacity of the Ear	rth's natural systems to
maintain stability of life. There will be many challe	enges for us to ac	hieve this. For example,
people are living 2	and depleting th	e Earth's
3 People do not always	realize that they	are participating in
4 but we all contribute to	some extent. Bio	ologist 5.
described a situation	where there is a	5
between the short-term interests of individuals and	the 7	welfare of
society. Hardin called the situation 8		This situation
results in sixty percent of the Earth's ecosystem ser	rvices being over	used. There is some good
news though, for example we can use creative think	king, 9	and
political pressure to improve the quality of life for	people now and i	nto the future but it all starts
y studying 10 where you will develop an		
understanding for the problems and challenges that	face us so you ca	an solve them.
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Matching: 10 points

11	_Worldview
12	_Environmental worldview
13	_Environmental ethics
14	_Environmental science
15	_Environment
16	_exponential growth
17	_ Nonrenewable resource
18	_inexhaustible resource
19	_life-centered worldview
20	_environmental degradation

- A. Worldview holding that all species have value in fulfilling their particular role within the biosphere, regardless of their potential or actual use to society.
- B. All external conditions, factors, matter, and energy, living and nonliving, that affect any living organism or other specified system.
- C. An individual's set of assumptions and values concerning the natural world and what they think their role in managing it should be.
- D. Study of varying beliefs about what is right or wrong with how people treat the environment.
- E. Worldview maintaining that people are part of, and dependent on, nature.
- F. Resource available in continuous supply for the conceivable future.
- G. Depletion, deterioration, or waste of Earth's natural capital.
- H. Interdisciplinary study of how humans interact with the environment
- I. Growth in which some quantity, such as population size or economic output, increases at a fixed percentage per unit of time.
- J. Resource that exists in a fixed amount and takes millions to billions of years to form.

Multiple Choice: 10 points

- 21. Wind, moving water and solar energy are all derived from
 - A. electrical energy
 - B. lightning
 - C. the sun
 - D. oceans
- 22. The state in which a human population can survive indefinitely is called
 - A. sustainability.
 - B. loss of biodiversity.
 - C. renewable resource.
 - D. Biodiversity
- 23. The study of how humans interact with the environment is called
 - A. environmental science.
 - B. ecology.
 - C. agriculture.
 - D. biology.
- 24. Single identifiable source that discharges pollutants into the environment. Examples include the smokestack of a power plant, drainpipe of a meatpacking plant, chimney of a house, or exhaust pipe of an automobile.
 - A. life-centered worldview
 - B. nonrenewable resource
 - C. point source of pollution
 - D. nonpoint source of pollution

hold?
A. water B. oil C. space D. metals
26. The human population growth rate in 2020 can be best described as
A. exponential B. logistical C. slow growth D. carry capacity
27. Hardin's "Tragedy of the Commons" essay addressed the conflicts associated with which environmental challenge?
A. preventing pollutionB. preserving biodiversityC. protecting shared resourcesD. curbing overpopulation
28. Population growth can result in what ethical environmental problem, addressed by ecologist Garrett Hardin in "The Tragedy of the Commons"?
A. the conflict between water resources and industrial growth B. the conflict between individual interests and the welfare of society C. the conflict between forest resources and the lumber companies D. the conflict between political interests and international energy

25. What essential resource is likely to limit the how many people the Earth can

- 29. The ecological footprint of an individual is based on what requirements for supporting him/her?
 - A. land used for crops
 - B. land taken up by housing
 - C. forested area that absorbs pollution
 - D. all the above
- 30. Attempts to create a sustainable society strive to achieve what?
 - A. greater resource consumption
 - B. stable resource consumption
 - C. negative population growth
 - D. restrictions on technology

Critical Thinking: 5 total points
31. (2 points) Define sustainability and discuss one challenge that humans face to achieve sustainability.
32. (1 points) Identify one factor that may cause an individual or family to have a higher ecological footprint.
33. (1 point) Choose one factor (economic, political, ethical) and describe how that factor has an influence on environmental science.
34.(1 point) Explain how different worldviews create challenges as we strive for a sustainable Earth.
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