 The most sustainable type of development is: A) dispersed development B) compact development C) satellite development D) corridor development E) strip development
 2. Urban sprawl is synonymous with this type of development: A) dispersed development B) compact development C) satellite development D) corridor development E) strip development
 3. A housing development with many condominiums, compact placement of services, a commons, and houses placed close to streets would be typical in development. A) dispersed B) satellite C) compact D) corridor E) strip
 4. Laws that establish acceptable uses for land are called: A) development rights B) patents C) zoning regulations D) development ordinances E) civil laws
 5. The differential rate tax reduces urban sprawl because it: A) taxes businesses at a higher tax rate than housing developers B) discourages home owners to buy new houses through tax incentives. C) taxes farmland at a lower rate than housing developments. D) taxes corporations at a higher rate than housing developments. E) relieves housing developers of their tax burden.
 6. Buses, commuter trains, and light rail are forms of: A) rural infrastructure B) mass transit C) obsolete transportation D) public transportation

E) government socialism

- 7. Which of the following is a responsible personal action for more sustainable transportation?
- A) walk more
- B) ride a bike
- C) take a bus or carpool
- D) drive an energy efficient vehicle
- E) all of the above
- 8. Which of the following is a problem associated with urban sprawl?
- A) Loss of natural habitat.
- B) Increased chance of flooding.
- C) Destruction of prime farmland.
- D) Haphazard pattern of settlement with poor aesthetic appeal.
- E) all of the above.
- 9. The most damaging threat to good rangeland is:
- A) soil erosion
- B) grass fungus
- C) grasshoppers
- D) sheep
- E) overgrazing
- 10. Loggers remove all the trees in a 40-200 acre plot in this forestry technique:
- A) shelter-wood cutting.
- B) selective cutting.
- C) strip-cutting.
- D) clear-cutting
- E) thinning
- 11. Which of the following responses is an environmental problem caused by clear-cutting?
- A) sublimation
- B) surface runoff
- C) destroys nutrient-cycling bacteria
- D) fragments wildlife habitat
- E) all of the above
- 12. This forestry technique harvests trees in a narrow strip that blend with the terrain:
- A) thinning
- B) selective-cutting
- C) clear-cutting
- D) strip-cutting

E) shelter-wood cutting
13. Which of the following responses is a factor causing global deforestation?
A) frontierism
B) lack of knowledge about the importance of forests
C) population growth
D) poverty E) all of the above
E) an of the doore
14. This forestry technique harvests only mature trees of a desired species:
A) thinning
B) selective-cutting C) clear-cutting
D) strip-cutting
E) shelter-wood cutting
15. This particular way to harvest forests may be economically competitive with clear-cutting in second growth forests:
A) thinning B) selective-cutting
C) shelter-wood cutting
D) strip-cutting
E) b and c only
16. Land not significantly altered by human activities is called a:
A) rangeland
B) preserve
C) refuge D) wilderness
E) park
/ I
17. Geologic processes often concentrate minerals in rocks.
A) sedimentary B) metamorphic
C) igneous
D) bedrock
E) surface

A) B) C) D)	Basalt and grante are: sedimentary rocks metamorphic rocks. igneous rocks metal-yielding minerals industrial minerals
A)B)C)D)	Oil and coal are minerals. metal-yielding industrial fuel construction not
A)B)C)D)	Gravel and sand are minerals. metal-yielding industrial fuel construction not
A)B)C)D)	Lime and gravel are minerals. metal-yielding industrial fuel construction not
A) B) C) D)	Schist is a rock, formed by heat and pressure deep in the earth. sedimentary metamorphic igneous bedrock surface
mir A) B) C)	Developed countries have 20% of the world's population and consume% of the world's nerals. 25 50 75 85

E) 99
24. Aluminum and copper ore are minerals. A) metal-yielding B) industrial C) fuel D) construction E) not
 25. The metal mineral produced in the greatest amount worldwide is: A) aluminum B) copper C) iron D) manganese E) zinc
26. The nonmetal mineral produced in the greatest amount worldwide is: A) salt B) sand C) stone D) lime E) soda ash
 27. The melting of a metal ore to extract the metal is called: A) tinning B) leaching C) smelting D) separation E) chemical separation
28. This metal is mainly used to make the steel for automobiles and other vehicles: A) copper B) lead C) iron D) magnesium E) silver
29. Gold is sometimes extracted by spraying a cyanide solution on piles of ore; this technique called:A) smelting

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B) heap leachingC) strippingD) extractionE) fluxing
 30. This process collects and returns used metals to factories where they are used again: A) restoration B) recycling C) conservation D) positive feedback E) negative feedback
31. Manufacturing an aluminum can from recycled aluminum requires only% of the energy needed to make the can from raw ore. A) 5 B) 10 C) 20 D) 30 E) 40
32. Copper and other nonferrous smelters produce about 8% of the world's emissions. A) carbon dioxide B) nitrous oxide C) sulfur dioxide D) ozone E) chlorine
 33. Deposits of minerals that are fairly certain to exist and are feasible to mine at current prices are called: A) reserves B) surplus C) extractable D) new deposits E) undepleted reserve
34. Mining lower grade ores produces greater environmental damage than mining higher-grade ores because:

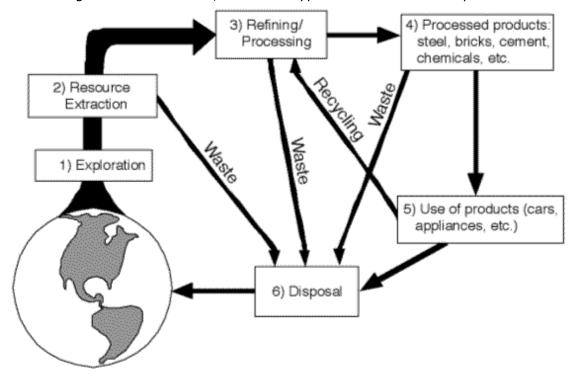
A) Larger mines are needed.

B) More material will be transported to the smelters.

C) More waste will be produced at the mine and smelters.D) More air and water pollution will result from increased mining activities.E) all of the above
 35. Which of the following materials is a nonfuel mineral? A) zinc B) oil C) natural gas D) oil shale E) tar sands
36.Decide whether each of the weather characteristics listed below is associated with cities or rural regions:
<u>cities</u> <u>rural</u>
higher temperature
more precipitation
higher humidity
more fog
less danger of flooding
37.Most cities have one sewer system that handles both sewage and storm drainage. Sewage is usually treated and the processed wastewater dumped into a river or th ocean. What problem can occur during heavy rainstorms? 38.Describe how and why each of the following elements of the urban water budget is
 changed by urbanization: Humidity Precipitation Flood hazard
39.Name the two principal goals of wilderness management.40.Forests benefit people and the environment indirectly through public service functions. Name at least three such public-service functions.
runctions. Name at least timee such public-service functions.

41. Why is whole-tree harvesting detrimental to the forest over a long period of time?
42.A forest along a lake is clear-cut. Soon after, a bloom of algae occurs in the lake. What changes resulting from the clear-cut might account for this algae bloom?
43.Prescribed fire, also called controlled burning, is increasingly common. Why is this done to certain forest types?
44. How does a coastal climate differ from an inland climate, and in what specific ways?
45. What is the difference between the two following timbering methods: selective cutting and thinning?
46.List the principal advantages of strip-cutting in managed forests over other timbering methods.
47. The top 1 km of the Earth's crust contains an estimated 2 \times 10 ¹² metric tons of silver, equal to hundreds of millions times the average consumption of the metal. Explain why silver remains a valuable and relatively scarce material.
48. Name the four possible solutions when the availability of a particular mineral becomes a limitation.
49.Name two environmental problems that are caused by open-pit copper mines.
50.What are the four main mineral resources that humans utilize?

51.Pick one mineral resource (for example, iron ore, oil, uranium ore, etc.). For each of the six stages illustrated below, name one type of environmental impact that occurs.



52.

		Undiscovered	
	Identified	In known districts	In unknown districts of forms
Economic	а		kontak na navnama na navnama nak navna kontak nak navnas navnas nak nak na kontak hakitaa nak nak navnas navnas na
Marginally economic	b	d	е
Not economic	C		

In the figure, which blocks (a, b, c, d, or e) refer to <u>resources</u> and which blocks (a, b, c, d, or e) refer to <u>reserves</u>?

Ans: Resources - a, b Reserves - c, d, e

Difficulty: Medium Link to: 26.3

53. What are the five processes which result in rich mineral resources?
54. The modern trend is away from subsurface mining and toward more surface mining. Explain this fact.
55.The <u>Environmental Science</u> text lists three conditions that favored widespread and profitable mining in the past that are no longer favorable. List these three conditions.
56.Cite three ways that resource depletion can be slowed. List them in the order you think most feasible today.
57. The environmental impact of mineral exploitation depends of a number of factors related to the nature of the mineral deposit and the location of the mining site. List at least three such factors.
58.A typical home contains numerous products manufactured from mineral resources. For example, a stone house is built of stone. List at least five other mineral products found in a typical home.
59.Name four mineral resources.