

تم تحميل هذا الملف من موقع المناهج الإماراتية



*للحصول على أوراق عمل لجميع الصفوف وجميع المواد اضغط هنا

<https://almanahj.com/ae>

* للحصول على أوراق عمل لجميع مواد الصف السادس اضغط هنا

<https://almanahj.com/ae/6>

* للحصول على جميع أوراق الصف السادس في مادة علوم وجميع الفصول, اضغط هنا

<https://almanahj.com/ae/6science>

* للحصول على أوراق عمل لجميع مواد الصف السادس في مادة علوم الخاصة بـ الفصل الثالث اضغط هنا

<https://almanahj.com/ae/6science3>

* لتحميل كتب جميع المواد في جميع الفصول للـ الصف السادس اضغط هنا

<https://almanahj.com/ae/grade6>

للتحدث إلى بوت المناهج على تلغرام: اضغط هنا

https://t.me/almanahj_bot

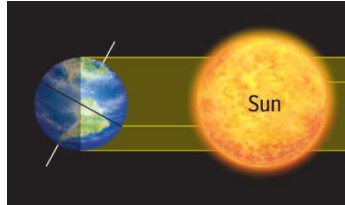
Grade 6 Chapter 10 Test Questions

Bahebic ya ommy

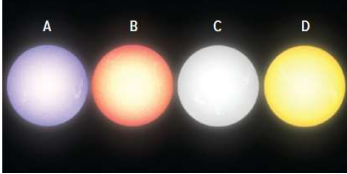
Section A: Multiple choice

Circle the correct option.

1. Which season is illustrated below?



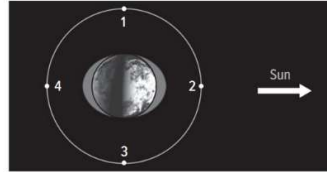
- a) fall in the northern hemisphere; spring in the southern hemisphere
b) summer in the northern hemisphere winter in the southern hemisphere
c) spring in the northern hemisphere; fall in the southern hemisphere
d) winter in the northern hemisphere; summer in the southern hemisphere
2. When is a solar eclipse visible?
a) only when the moon is waning
b) only when the moon is waxing
c) only when the moon is full
d) only when the moon is new
3. Where is the solar system located?
a) near a spiral arm of the Milky Way
b) outside the Milky Way
c) in the center of the Milky Way
d) in the halo of the Milky Way
4. Which statement about the moon is true?
a) The Moon does not rotate.
b) The Moon orbits the Sun.
c) The Moon has one side that never faces the Sun.
d) The Moon has one side that never faces the Earth.
5. Which is the property of the outer planets?
a) few moons
b) ring systems
c) rocky surfaces

- d) short orbits
6. What objects in the solar system are larger than Earth?
- Neptune, Pluto and Uranus
 - Mars, Mercury and Venus
 - The outer planets and the Sun
 - The inner planets and the Sun
7. Which star below is the coolest?
- 
- a) A
- b) B
- c) C
- d) D
8. Which solar system objects have orbits that take them furthest from the sun?
- asteroids
 - meteoroids
 - planet
 - comet
9. Which planet is most like Earth in size and makeup?
- Mars
 - Mercury
 - Venus
 - Saturn
10. Which statement about tides is true?
- High tides occur twice each day in most coastal areas.
 - Low tides and high tides never vary in height.
 - Tides can be predicted.
 - Weather has no effect on tides.
11. What time of the year is the northern hemisphere tilted closest to the sun?
- in January, during winter
 - in July, during summer
 - in April, during spring
 - in October, during Fall

12. which is the main component of stars?

- a) hydrogen
- b) dust
- c) nitrogen
- d) rock

13. Use the figure below to answer question 13.



The figure shows a model for spring tides, which are characterised by high tides that are higher and low tides that are lower than usual. What numbers show the positions of the moon that would cause spring tides?

- a) 1 and 2
- b) 1 and 3
- c) 4 and 2
- d) 4 and 3

14. Pluto is an example of what kind of object?

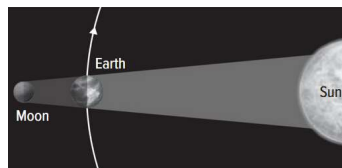
- a) comet
- b) asteroid
- c) meteoroid
- d) dwarf planet

15. How does the Sun compare to other stars in the universe?

- a) it is further away than most other stars
- b) it is hotter than most other stars
- c) it is more massive than most other stars
- d) it is whiter than most other stars

16. Use the figure below to answer the question. What event occurs when Earth, the Moon and the Sun are in the positions shown?

- a) lunar eclipse
- b) solar eclipse
- c) neap tide
- d) new moon



17. Galaxies are classified by shape. What shape is the galaxy that includes the Sun, Earth and rest of the solar system?

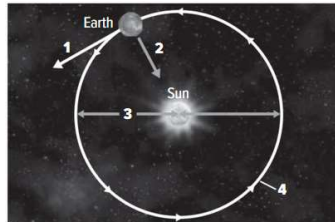
- a) elliptical
- b) regular
- c) irregular
- d) spiral

18. Which describes the organization of the universe from the smallest to the largest unit?

- a) cluster, supercluster, galaxy, star
- b) star, galaxy, cluster, supercluster
- c) galaxy, star, supercluster, cluster
- d) star, cluster, supercluster, galaxy

19. Use the figure below to answer the question. Which arrow shows the motion of Earth if there were no gravity between Earth and the Sun?

- a) 1
- b) 2
- c) 3
- d) 4



20. Which objects in the Solar system develop long tails during part of their orbits?

- a) comets
- b) asteroids
- c) meteoroids
- d) moons

21. Which does Earth's rotation affect?

- a) change of seasons
- b) Earth-Sun distance
- c) hours of daylight
- d) length of month

22. Between which planets is the asteroid belt located?

- a) Earth and Mars
- b) Mars and Jupiter
- c) Saturn And Uranus
- d) Uranus and Neptune

23. What percentage of stars are larger and more massive than the Sun?

- a) 10 percent
- b) 30 percent
- c) 50 percent
- d) 90 percent

Section B

1. Classify the galaxies below

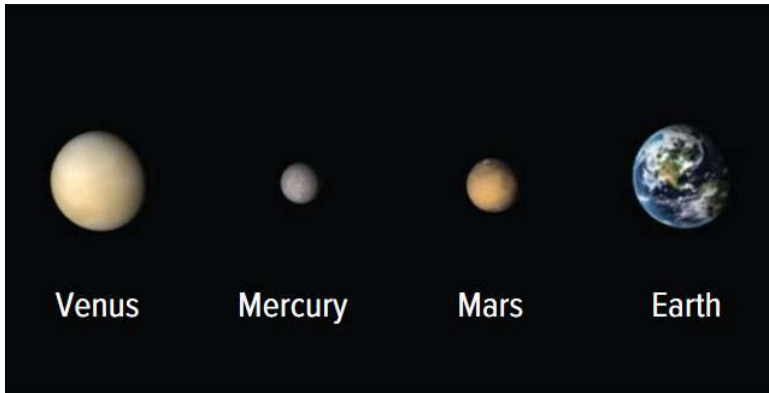
Spiral

Elliptical

Irregular



2. Answer the questions based on the picture below.



2.1 Are these inner or outer planets? Inner

2.2 Put the planets in the correct order in relation to the Sun.

SUN Mercury Venus Earth Mars

2.3 Which planet is most like Earth in size? Venus

3.

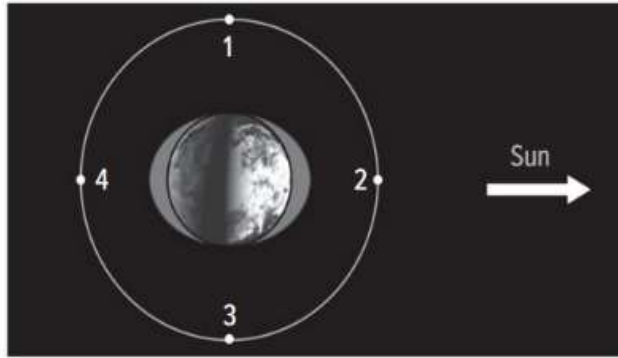


3.1) Which is the hottest star? A

3.2) Which is the coolest star? B

3.3) Which colour is the Sun? D

4.



This picture is about the moon around the Earth

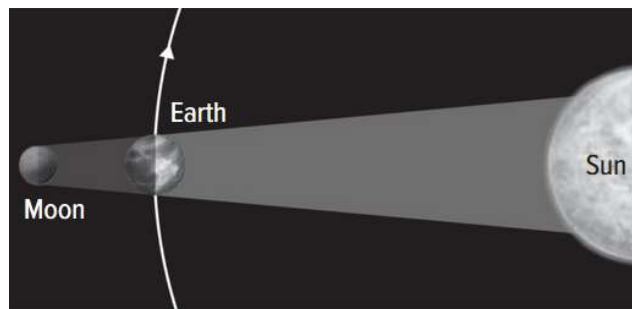
4.1) Which numbers represent Neap tides? 1 and 3

4.2) Which numbers represent Spring tides? 2 and 4

4.3) What moon phase does number 2 represent? New moon

4.4) What moon phase does number 4 represent? Full moon

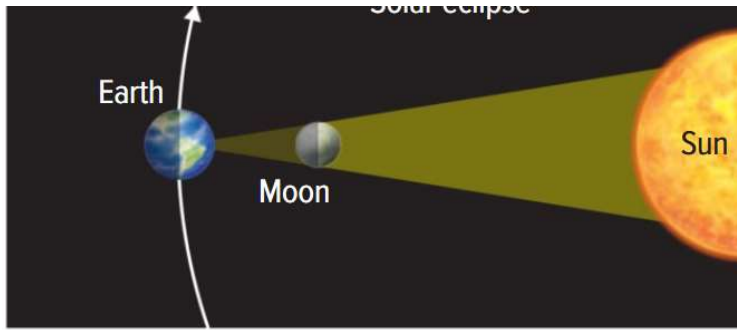
5.



5.1) What type of eclipse is shown on the picture above? Lunar eclipse

5.2) What phase must the moon be in? Full Moon

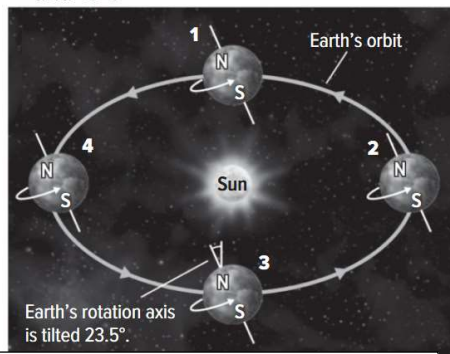
6.



6.1) What type of eclipse is shown on the picture above? Solar eclipse

6.2) What phase must the moon be in? New moon

7.



7.1) Which 2 numbers represent equinox?

1 and 3

7.2) Which 2 numbers represent solstice?

2 and 4

7.3) Which numbered part represents summer in the northern hemisphere and winter in the southern hemisphere? 2

This picture is about the Earth around the Sun

Grade 6 Chapter 11 Test Questions

Section A: Multiple choice

Circle the correct option.

1. Which energy source produces radioactive waste?
 - a) biomass
 - b) geothermal
 - c) hydroelectric power
 - d) nuclear power

2. The table below shows the energy sources used to produce electricity in the United States. What can you infer from the table?

Electricity Production	
Energy Source	Percent
Coal	48.5
Natural gas	21.6
Nuclear power	19.4
Hydroelectric power	5.8
Solar, wind, geothermal, biomass	2.5
Oil	1.6
Other	0.6

- a) About 19.4 percent of U.S electricity comes from renewable sources
 - b) Hydroelectric power is more widely used for electricity than nuclear power
 - c) More than 90 percent of U.S electricity comes from non-renewable sources
 - d) Oil is more widely used for electricity than hydroelectric power

3. Which factor would best determine whether a home is suitable for solar energy?
 - a) difference in tidal heights
 - b) strength of daily winds
 - c) nearness to tectonically active areas
 - d) number of sunny days per year

4. Which product comes from a metallic mineral resource?
 - a) aluminium
 - b) drywall
 - c) gravel
 - d) table salt

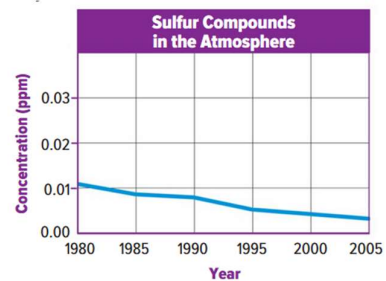
5. Which is a renewable land resource?
 - a) forests
 - b) minerals
 - c) soil
 - d) trees

6. Where is most water on Earth located?
 - a) lakes
 - b) oceans
 - c) rivers
 - d) underground

7. Which natural event can result in air pollution?
 - a) burning fossil fuels
 - b) littering a stream
 - c) runoff from farms
 - d) volcanic eruption

8. The graph below shows how the amount of sulfur compounds in the atmosphere has changed since the passage of the Clean Air Act. Based on the data in the graph, what can you infer about the act?

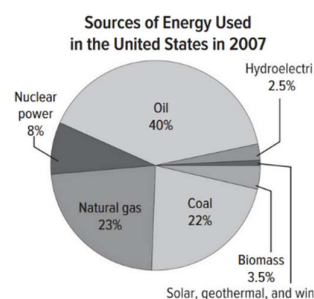
- a) The act has helped decrease pollutants in the atmosphere
- b) The act has helped increase pollutants in the atmosphere
- c) The act has incentives for use of renewable resources
- d) The act has not impacted the amount of pollutants in the atmosphere



9. Which activity does NOT reduce the use of fossil fuels?
 - a) riding a bicycle to school
 - b) unplugging DVD players
 - c) walking to the store
 - d) watering plants less often

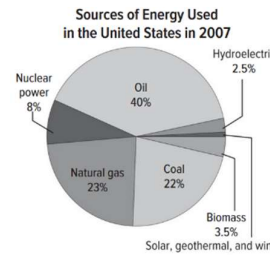
10. Which is the most used renewable energy resource in the United States?

- a) biomass
- b) hydroelectric
- c) natural gas
- d) nuclear energy



11. What percentage of the energy used in the United States comes from burning fossil fuels?

- a) 40 percent
- b) 45 percent
- c) 85 percent
- d) 93 percent



12. Which practice emphasizes the use of renewable energy resources?

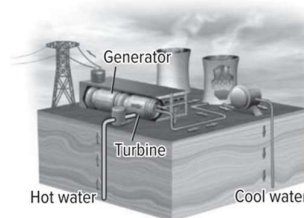
- a) buying battery-operated electronics
- b) installing solar panels on buildings
- c) replacing sprinklers with watering cans
- d) teaching others about vampire energy

13. Which is non-renewable land resources?

- a) crops
- b) minerals
- c) streams
- d) trees

14. Which alternative energy resource is used to make electricity in the figure?

- a) solar energy
- b) tidal power
- c) geothermal energy
- d) hydroelectric power



15. Which practice is a wise use of land resources?

- a) composting
- b) conserving water
- c) deforestation
- d) strip mining

16. Which type of air pollution is labelled A in the figure?

- a) acid precipitation
- b) fertilizer runoff
- c) nuclear waste
- d) photochemical smog



17. Approximately how much water on the Earth is in the oceans?

- a) 1 percent
- b) 3 percent
- c) 75 percent
- d) 97 percent

18. Which is a source of biomass energy?

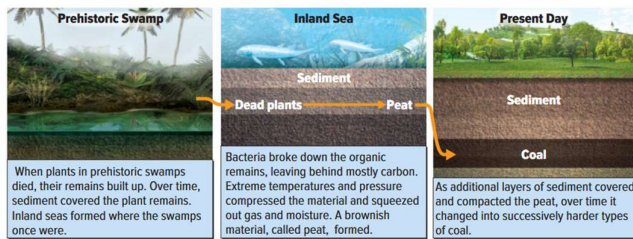
- a) sunlight
- b) uranium
- c) wind
- d) wood

Table 1 Energy resources can be nonrenewable or renewable.

Table 1 Energy Sources	
Nonrenewable Energy Resources	Renewable Energy Resources
fossil fuels uranium	solar wind water geothermal biomass

Nonrenewable energy: are resources used faster than they can be replaced (will finish)

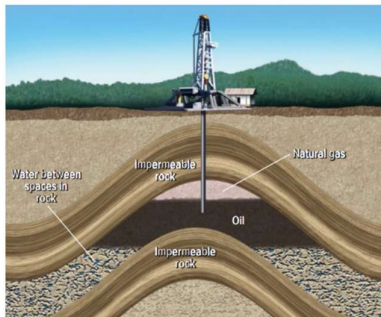
Renewable energy: are resources that can be replaced in a short amount of time (will not finish)



Fossil fuels: are formed from dead plants and animals:

Types of fossil fuels: **Coal Oil Natural gas**

how different fossil fuels formed and are mined



Oil spills can harm animals living in water

Nuclear energy: is energy released from atomic reactions
uses: small amount of uranium to make lots of energy
produces: radioactive waste can harm organisms

Sources of Energy Used in the U.S. in 2007

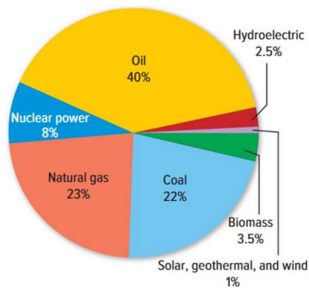


Figure 6 About 93 percent of the energy used in the United States comes from nonrenewable resources.

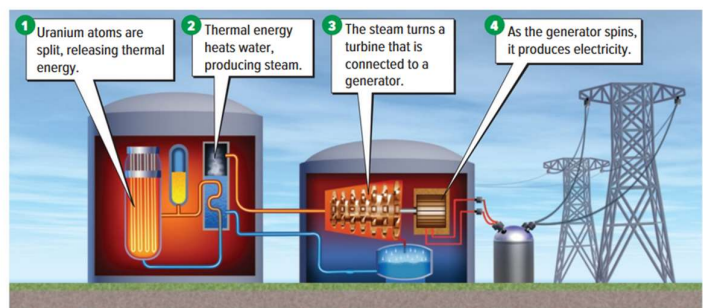


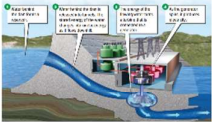
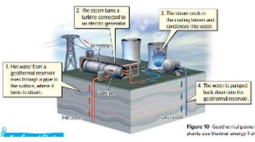


Table 2 Renewable Resources—Advantages and Disadvantages		
Renewable Resource	Advantages	Disadvantages
 Solar energy	<ul style="list-style-type: none"> • nonpolluting • available in the United States 	<ul style="list-style-type: none"> • less energy produced on cloudy days • no energy produced at night • high cost of solar cells • requires a large surface area to collect and produce energy on a large scale
 Wind energy	<ul style="list-style-type: none"> • nonpolluting • relatively inexpensive • available in the United States 	<ul style="list-style-type: none"> • large-scale use limited to areas with strong, steady winds • best sites for wind farms are far from urban areas and transmission lines • potential impact on bird populations
 Water energy	<ul style="list-style-type: none"> • nonpolluting • available in the United States 	<ul style="list-style-type: none"> • large-scale use limited to areas with fast-flowing rivers or great tidal differences • negative impact on aquatic ecosystems • production of electricity affected by long periods of little or no rainfall
 Geothermal energy	<ul style="list-style-type: none"> • produces little pollution • available in the United States 	<ul style="list-style-type: none"> • large-scale use limited to tectonically active areas • habitat disruption from drilling to build a power plant
wood and food scraps Biomass energy	<ul style="list-style-type: none"> • reduces amount of organic material discarded in landfills • available in the United States 	<ul style="list-style-type: none"> • air pollution results from burning some forms of biomass • less energy efficient than fossil fuels, costly to transport

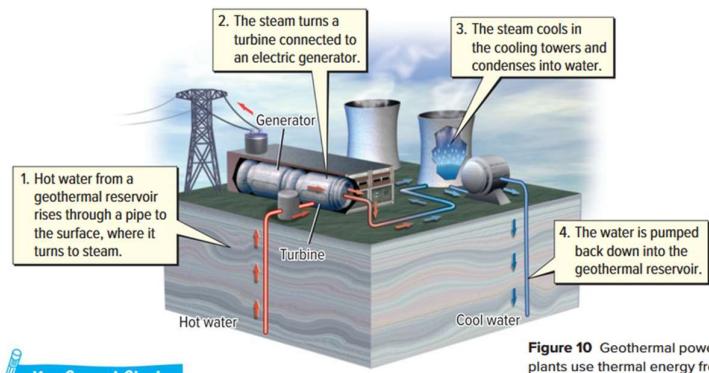
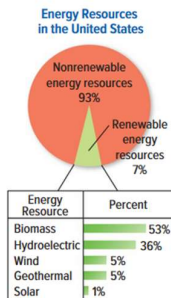
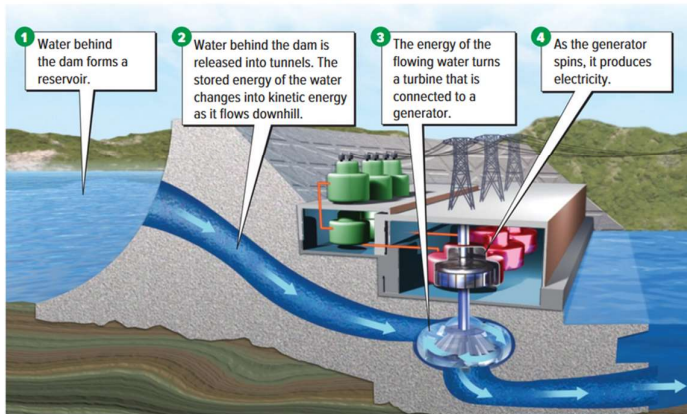


Figure 10 Geothermal power plants use thermal energy from

Water Distribution on Earth

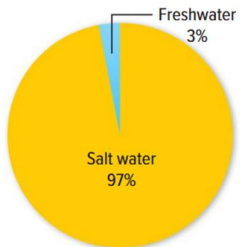
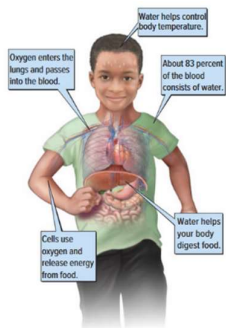


Figure 20 Freshwater makes up only 3 percent of Earth's water.



Land

Water

Resources

Air

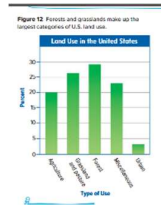


Figure 12 Forests and grasslands make up the largest categories of U.S. land use.



Figure 15 Deforestation occurs when humans cut forests to clear land for agricultural uses or development.



Figure 10 Reforestation involves planting trees to replace ones that have been removed.

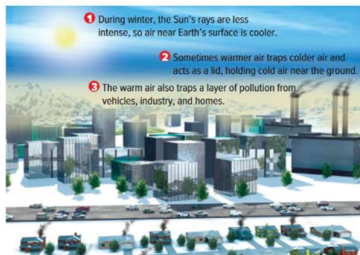


Figure 16 A community garden is one way to help manage local resources wisely.



Composting speeds up the rate of decomposition for vegetable scraps, leaving a rich material that can be used as natural fertilizer.

Figure 19 Gas and dust released by erupting volcanoes, such as Karymsky Volcano in Russia, can pollute the air.



Grade 6 Chapter 12 Test Questions

Section A: Multiple choice

Circle the correct option.

1. Which is a population
 - a) all the animals in a zoo
 - b) all the living things in a forest
 - c) all the cats in a park**
 - d) all the plants in a meadow
2. Which caused the greatest increase of the growth of the human population?
 - a) higher death rates
 - b) increased marriage rates
 - c) medical advances**
 - d) widespread disease
3. What percentage of species on Earth live in tropical rainforests?
 - a) 10 percent
 - b) 25 percent
 - c) 50 percent**
 - d) 75 percent

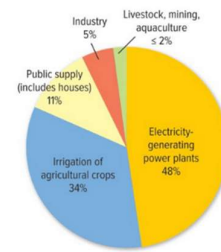
4. What process is illustrated in the diagram below?

Newly planted trees



- a) desertification
 - b) recycling
 - c) reforestation**
 - d) waste management
5. Which could harm human health?
 - a) compost
 - b) hazardous waste**
 - c) nitrogen
 - d) reclamation
 6. Which source of pollution would be hardest to trace and control?
 - a) runoff from city**
 - b) runoff from a mine
 - c) an oil leak from an ocean tanker
 - d) water from a factory discharge pipe

7. According to the diagram below, which is the correct ranking of water use in the United States, in order from most to least?



- a) industrial, public supply, irrigation, power plants
- b) irrigation, industrial, public supply, power plants
- c) power plants, irrigation, public supply, industrial
- d) public supply, power plants, industrial, irrigation

8. What is the main purpose of the Safe Drinking Water Act?

- a) to ban point source pollution
- b) to clean up the Great lakes
- c) to protect drinking water supplies
- d) to regulate landfills

9. Why has the use of CFC's been phased out?

- a) They cause acid rain
- b) They produce smog
- c) They destroy ozone molecules
- d) They impact the nitrogen cycle

10. Which action can help restore land that has been disturbed by mining

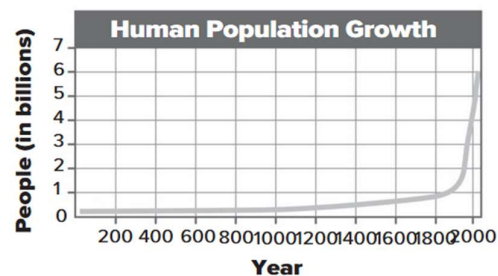
- a) deforestation
- b) desertification
- c) preservation
- d) reclamation

11. Which is a consequence of deforestation?

- a) animal habitats are destroyed
- b) carbon in the atmosphere is reduced
- c) soil erosion is prevented
- d) the rate of extinction is slowed

12. During which time span did the human population increase most?

- a) 1400-1600
- b) 1600-1800
- c) 1800-1900
- d) 1900-2000



13. Which accounts for the least water use in the United States?

- a) electricity-generating power plants
- b) irrigation of agricultural crops
- c) mines, livestock and aquaculture
- d) public supply, including houses

14. Which is a point source of water pollution?

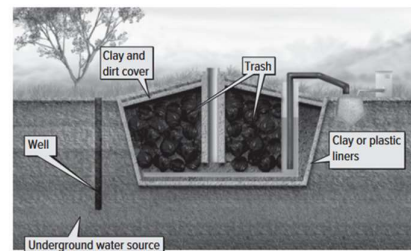
- a) discharge pipes
- b) runoff from farms
- c) runoff from construction sites
- d) runoff from urban areas

15. Which air pollutant contains ozone?

- a) acid precipitation
- b) carbon monoxide
- c) CFC's
- d) smog

16. What is the function of the well in the figure below?

- a) to generate electricity
- b) to monitor quality of groundwater
- c) to prevent pollution of nearby land
- d) to treat hazardous water



17. Which action helps prevent water pollution?

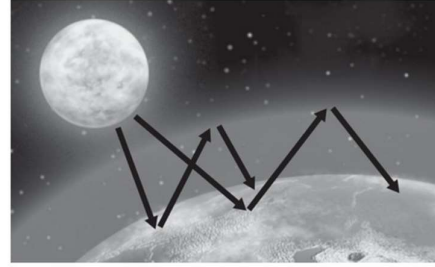
- a) pouring motor oil on the ground
- b) putting hazardous wastes in the trash
- c) using fertilizers when gardening
- d) using vinegar when cleaning

18. What effect does ozone near Earth's surface have on the human body?

- a) it increases lung function
- b) it increases throat irritation
- c) it reduces breathing problems
- d) it reduces skin cancer

19. Which term describes what is shown in the figure below?

- a) acid precipitation
- b) global warming
- c) greenhouse effect
- d) urban sprawl



20. Which results in habitat destruction?

- a) reclamation
- b) reforestation
- c) urban sprawl
- d) water conservation

