



BIOLOGY

BOOKS - TARGET PUBLICATION

ENVIRONMENT MANAGEMENT

Exercise

1. Atmospheric conditons at a specific time at a particular place are referred to as

A. climate

B. weather

C. humidity

D. season

Answer: B



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2. Choose the correct alternative

_____ is dry solid waste.

A. Plant parts

B. Plastic

C. Fruits

D. Spoiled food

Answer: B



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3. Choose the correct alternative

Pesticides, fertilizers and dung are classified as

A. urban waste

B. domestic waste

C. farm waste

D. biomedical waste

Answer: C



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4. Choose the correct alternative

Identify which of the following is classified as domestic waste.

A. Music system

B. Pigments

C. Lead

D. Waste food

Answer: D



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5. Choose the correct alternative

The 3 R 'mantra' which one must follow to help in waste management is _____.

A. Review, Reduce, Reuse

B. Reduce, Reuse, Recycle

C. Recognize, Recover, Recreate

D. Research, Redesign, Regulate

Answer: B



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6. Choose the correct alternative

Which of the following materials takes the maximum time to degrade naturally?

A. Aluminium cans

B. Rags

C. Leather shoes

D. Wood

Answer: A



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7. Choose the correct alternative

The acronym ABC used during first aid procedures stands for_____.

A. Airway, Breathing, Cardiac

B. Assessment, Breathing, Circulation .

C. Airway, Body check, Cardiac

D. Airway, Breathing, Circulation

Answer: D



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8. Choose the correct alternative

_____ is useful for transporting injured patients who need support below their waist.

A. Two-hand chair method

B. Pulling method

C. Human crutch method

D. Four-hand chair method

Answer: D



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9. Choose the correct alternative

Pulling or lifting method is used to transport

A. unconscious patients through a short distance

B. victims who cannot use their hands but can hold their body upright

C. victims who need support below their waist

D. underweight victims

Answer: A



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10. Choose the correct alternative

For injuries like sprains, twisting and contusion.

A. victim must be held standing in an upright position

B. victims who cannot use their hands but can hold their body upright

C. ice pack should be applied to the injured part

D. antiseptic pad should be placed over
wound

Answer: C



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11. Complete the paragraph

Select the appropriate options and complete the following paragraph.

(forecasts, parameters, humidity, meteorology.
climate, long-term, short-term, rainfall)

Variety of factors such as atmospheric pressure, _____, clouds _____ Sunlight etc., affect the atmospheric conditions of a place.

The weather is a _____ condition of the atmosphere while climate is a _____ predominant condition of the atmosphere. Most countries in the world have established departments for studying such factors and then weather are established _____ departments for studying such factors and then weather _____ are made.



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12. Name the following

The science that studies inter-relationships between the various components of air, natural cycles, geological movements of the earth and climate.



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13. Name the following

organization which plays an important role in

food security. Water Management

transportation and communication.



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14. Name the following

Type of waste which is easily degraded by microbes.



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15. Name the following

Process of producing energy by burning of waste at high temperature.



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16. Name the following

Method used to help bring circulation back to normal, in case a victim is unconscious.



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17. Name the following

Method of [transportation useful to carry children and under-weight victims.



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18. Name the following

A portable appliance that can be easily carried anywhere and is used to put out a fire.



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19. True or False.

The weather of a particular region is the average of daily readings of various weather-related parameters recorded for several years.



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20. State whether the following statements are true or false. Correct the false statements:.,
Climate changes continuously.



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21. Various climatic factors like..... considered during construction of runways, seaports, huge bridges and skyscrapers, etc.



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22. True or False.

In the holistic model, predictions are based upon those parameters used in other models which have the greatest effect on the monsoon.



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23. Give reason:

Waste is a valuable resources,if managed properly.



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24. True or False.

Improper solid waste management was one of the main reasons behind the serious flood calamity in Mumbai on 26th July 2005.



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25. True or False.

Remains of heavy metals like lead, arsenic and cadmium are a part of urban waste.



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26. True or False.

If a bone is fractured, it is essential that the fractured part is immobilized.





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27. True or False.

If a victim has difficulty breathing, the head should be held in a forward sloping position.



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28. True or False.

In case of burn injuries, it is beneficial to hold the injured part under clean and cold flowing



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29. Odd one out

Bandages, gloves, cell phones, saline bottles



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30. Odd one out

Ash, plastic, dung, paper



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31. Complete the analogy:

Specific duration and specific time: Weather : :

Longer duration and longer time :.....



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32. Complete the analogy

Plastic paper : Domestic waste :: Needles

: _____



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33. Complete the analogy

Rubber : Urban waste :: Crop residue : _____



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34. Complete the analogy

Spoiled food : Wet solid waste :: Plastic
: _____



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35. Complete the analogy

Breathing : _____ : Circulation : Cardio
pulmonary resuscitation



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36. Match the following

Group 'A'		Group 'B'	
i.	Electronic waste	a.	Vegetable waste
ii.	Industrial waste	b.	Medicine bottles
		c.	Cell phones
		d.	Sludge



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37. Match the following

Group 'A'		Group 'B'	
i.	Hazardous waste	a.	Threads
ii.	Urban waste	b.	Computers
		c.	Infectious material
		d.	Pesticides



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38. Match the following

Group 'A'		Group 'B'	
i.	Carrying piggy back	a.	Victim with one leg injured
ii.	Human crutch method	b.	Carrying patients who are unconscious
		c.	Patients who cannot use their hands but can hold their body upright



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39. Answer the following

Define weather.



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40. Answer the following

What is climate?



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41. Explain the differences between Weather and climate .



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42. Answer the following

Give examples of weather related/climatic factors.



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43. How does the atmosphere affect our daily life?



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44. Forecasts about which weather related factors are given during the news bulletins on Doordarshan and Akanshvani?



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45. Use your brain power:

Which factors are affected favourably or unfavourably by climate? What must we do to minimize this effect?



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46. Use your brain power:

Which factors are affected favourably or unfavourably by climate? What must we do to minimize this effect?





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47. Give examples of the importance of climate in the living world with explanations, in your own words.



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48. Answer the following

Define meteorology.



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49. Answer the following

To which departments does the India meteorological department provide its weather and climate related information?



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50. Answer the following

What is the role of the Indian meteorological department?



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51. Answer the following

Write a note on the mathematical model used for monsoan prediction.



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52. Write short notes on:

Holistic Model



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53. Write short notes on:

Statistical Model



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54. What is meant by pollution?



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55. In which different ways do our surroundings get polluted?



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56. What is meant by solid waste?



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57. What are the different things included in solid waste?



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58. Answer the following

Match the items in column 'A' with the proepr once in column'B' and explain their impact on the enviornment.

	Column 'A'		Column 'B'
i.	Harmful waste	a.	Glass, rubber, carry bags, etc.
ii.	Domestic waste	b.	Chemicals, pigments, ash, etc.
iii.	Biomedical waste	c.	Radioactive material
iv.	Industrial waste	d.	Leftover food, vegetables, peeling of fruits
v.	Urban waste	e.	Bandages, cotton, needles, etc.



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59. Answer the following

What is solid management?



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60. Into which two categories can the waste materials in the lists above be classified?



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61. Answer the following

What is biodegradable waste?



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62. Answer the following

Define non-degradable waste?



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63. Why is it necessary to recycle non-degradable waste?



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64. Which materials are included in solid dry waste?



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65. Why is e-waste harmful? Express your opinion about this.



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66. Answer the following

Why the classification of garbage is essential?



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67. Answer the following

It is necessary to manage solid wastes. Justify.



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68. State the scientific and eco-friendly methods of waste management



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69. Answer the following question:

What are the seven principles of solid waste management?



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70. How will you register your individual participation in solid waste management?



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71. Answer the following

Write a note on disaster management.



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72. Explain with suitable examples, the relationship between weather forecasting and disaster management.



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73. Answer the following

What is the main objective of first aid?



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74. Answer the following

In case of injuries like sprains or contusion,
what does the acronym RICE stand for?



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75. How is first aid provided to victims of disasters who are injured?



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76. Explain with suitable examples, the care to be taken when using methods of transporting patients.



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77. Write short notes on:

Meteorology



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78. Write short notes on:

Climatic factors



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79. Write short notes on:

Monsoon model



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80. Write short notes on:

Industrial waste



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81. Write short notes on:

Plastic waste



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82. Write short notes on:

Principles of first aid



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83. Give reason:

Human progress is related to a conducive climate and geography.



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84. Give reason:

Human beings have designed a time schedule for their lives based upon centuries of climatic experiences.



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85. Give reason:

Scientists find it necessary to study climate in view of its effect on agricultural production.



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86. Complete the statements using the given options and justify those statements:

(geographic favourability, climate, weather, observatory)

Of the abiotic factors that affect biodiversity by far the most important is



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87. A description of the climatic conditions of short duration in a particular area is.....



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88. Complete the statements using the given options and justify those statements:

(geographic favourability, climate, weather, observatory)

Irrespective of the progress of human beings we have to think about.....



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89. Complete the statements using the given options and justify those statements:

(geographic favourability, climate, weather, observatory)

Establishments where various climate factors are recorded are called.....



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90. Distinguish between:

Weather and Climate:



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91. Distinguish between:

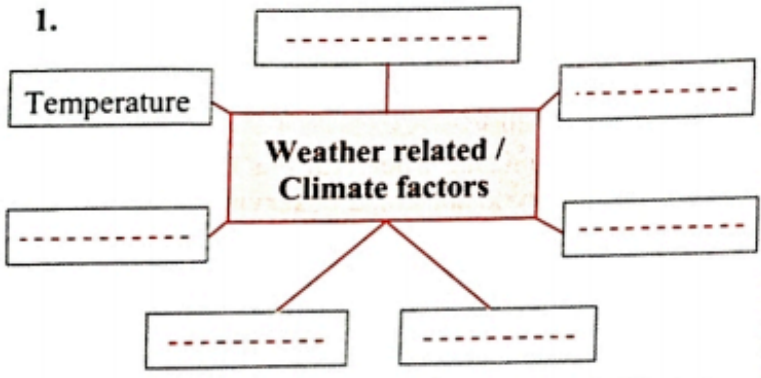
Degradable and non-degradable wastes:



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92. Complete the given chart/table.

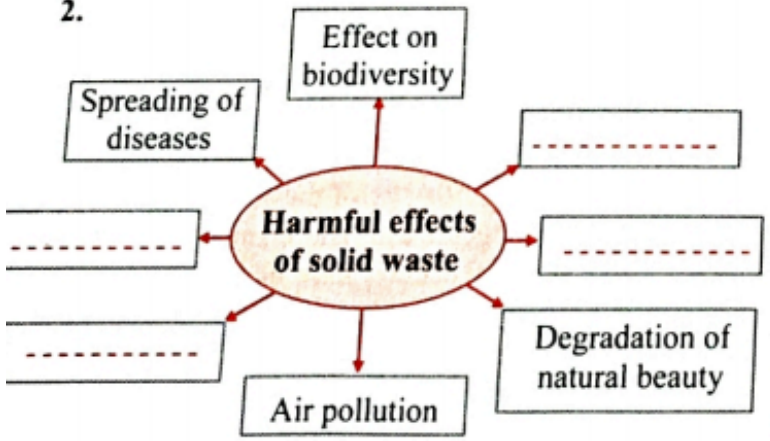
1.



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93. Complete the given chart/table.

2.

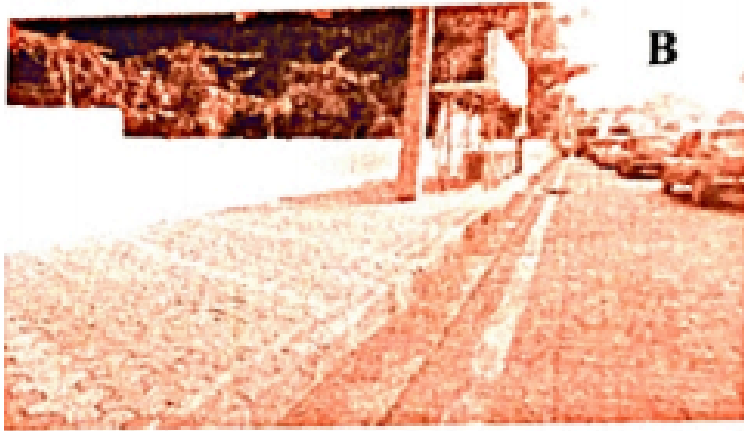


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94. Question based on diagram

What is main difference between what we see

in the two pictures given below?



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95. What should we do to permanently maintain the condition seen in picture B?



9.3 Area with garbage vs clean area



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96. Questions based on paragraph

There is a garbage bin installed near your

house. People throw was materials in this bin. You observe that most of these wastes are made of plastic such as plastic bags, plastic containers. bottles, etc. In school, you have learned about '3 R mantra' and how various wastes especially plastic create environmental problems.

what does the 3 R in '3 R mantra' stands for?



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97. Questions based on paragraph

There is a garbage bin installed near your house. People throw was materials in this bin. You observe that most of these wastes are made of plastic such as plastic bags, plastic containers. bottles, etc. In school, you have learned about '3 R mantra' and how various wastes especially plastic create environmental problems.

Is plastic biodegradable?



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98. Questions based on paragraph

There is a garbage bin installed near your house. People throw was materials in this bin. You observe that most of these wastes are made of plastic such as plastic bags, plastic containers. bottles, etc. In school, you have learned about '3 R mantra' and how various wastes especially plastic create environmental problems.

Write the harmful effects of using plastic bags on the environment.



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99. Questions based on paragraph

There is a garbage bin installed near your house. People throw was materials in this bin. You observe that most of these wastes are made of plastic such as plastic bags, plastic containers. bottles, etc. In school, you have learned about '3 R mantra' and how various wastes especially plastic create environmental problems.

Suggest alternatives to plastic bags.



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100. Questions based on paragraph

There is a garbage bin installed near your house. People throw was materials in this bin. You observe that most of these wastes are made of plastic such as plastic bags, plastic containers. bottles, etc. In school, you have learned about '3 R mantra' and how various wastes especially plastic create environmental problems.

How can plastic bags be disposed?



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101. Questions based on paragraph

Recently, a newspaper carried a report about an accident due to the collapse of a building.

According to the report, people from the nearby locality rushed to the site and helped injured victims by providing first aid. This greatly helped the disaster management team in decreasing the casualties.

What is the main objective of first aid?



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102. Questions based on paragraph

Recently, a newspaper carried a report about an accident due to the collapse of a building.

According to the report, people from the nearby locality rushed to the site and helped injured victims by providing first aid. This greatly helped the disaster management team in decreasing the casualties.

What does 'ABC' stand for in the basic Principles of first aid?



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103. Questions based on paragraph

Recently, a newspaper carried a report about an accident due to the collapse of a building. According to the report, people from the nearby locality rushed to the site and helped injured victims by providing first aid. This greatly helped the disaster management team in decreasing the casualties.

If a victim is injured and bleeding through the wound, how will you provide the first aid?



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104. Questions based on paragraph

Recently, a newspaper carried a report about an accident due to the collapse of a building. According to the report, people from the nearby locality rushed to the site and helped injured victims by providing first aid. This greatly helped the disaster management team in decreasing the casualties.

If a victim has burn injuries, how will you provide the first aid?



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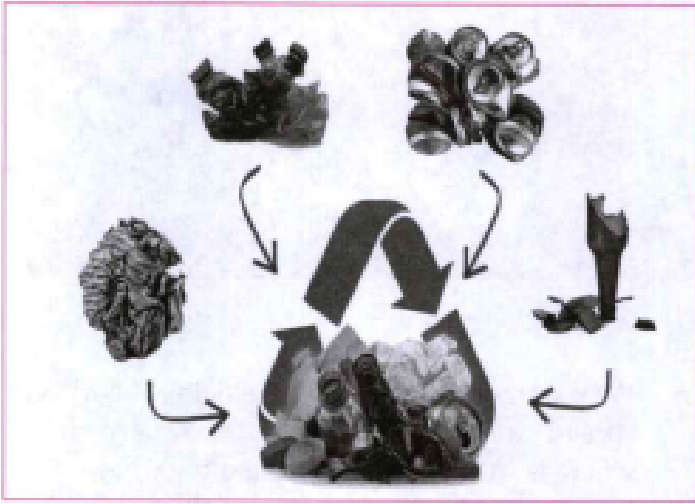
105. Questions based on paragraph

Recently, a newspaper carried a report about an accident due to the collapse of a building. According to the report, people from the nearby locality rushed to the site and helped injured victims by providing first aid. This greatly helped the disaster management team in decreasing the casualties.

When can you use human crutch method to transport patients?

106. Observe the garbage collected in the dustbin of your classroom and make a list of the various materials in it. **Discuss with your teacher, how these materials can be properly disposed of. Can we do the same with the garbage generated in our house? Think about**

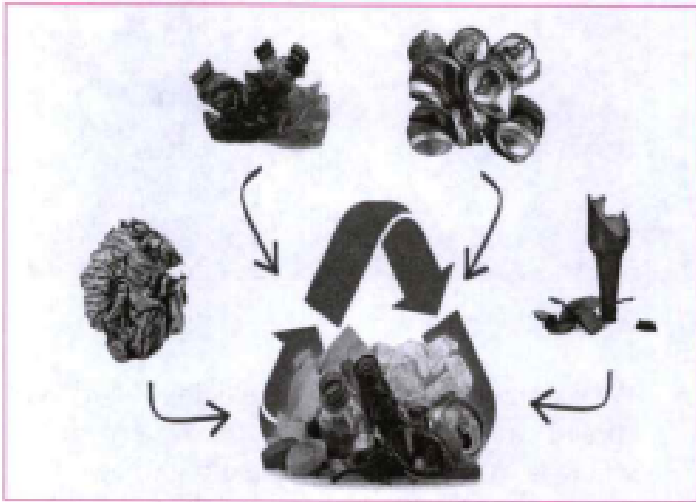
it.



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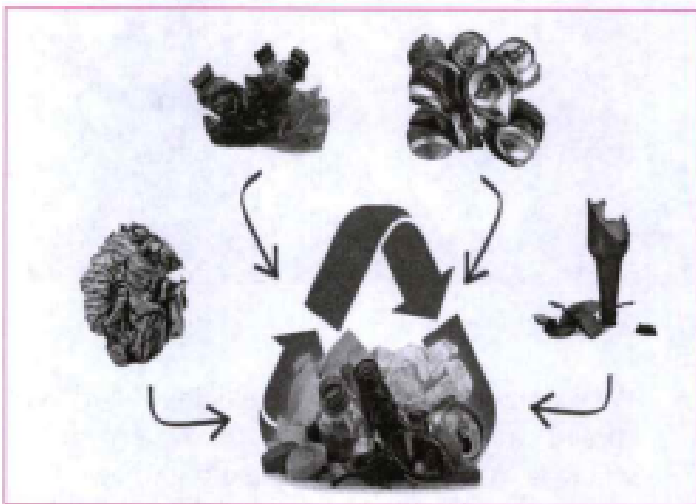
107. Observe the garbage collected in the dustbin of you classroom and make a list of the various material in it. Discuss with your

teacher, how these materials can be properly disposed off. Can we do the same with the garbage generated in our house? Think about it.



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108. Observe the garbage collected in the dustbin of you classroom and make a list of the various material in it. Discuss with your teacher, how these materials can be properly disposed off. Can we do the same with the garbage generated in our house? Think about it.





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109. Make a survey of the building or area where you live. Categorise the garbage as degradable and non-degradable waste. Approximately, how much solid waste is generated in a week? Make a list of the factors responsible for it.



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110. Make a list of various waste materials and articles in your area and prepare a chart as follows:

Material	Degradable (Organic)	Non- degradable (Inorganic)	Recycling	Reuse	Toxic
Plastic bottle	No	Yes	Yes	Yes	Yes



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111. Nowadays, an electronic device - the cell phone - is very popular. From a mobile shop

near your house, find out how they dispose off old and broken down cell phones.



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112. America is the Largest producer of electricity from solid waste. Japan has developed the projects of production of threads, paper and other useful materials from banana peelings. Find out about Such projects in our region.



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113. Which waste management processes are used in your village / town / city?



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114. Answer the following question:

If the time required for degradation of the solid waste generated around us is long, it seriously affects other environment factors.

What care will you take to avoid this?



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115. Which natural calamities have you experienced? How did they affect the conditions in your surroundings?



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116. How will you make a plan to be safe from calamities or to minimize the damage?



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117. What are the types of casualties that are seen to occur in different types of disasters?



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118. Choose the correct alternative.

_____ Waste does not decompose easily and requires more time to decompose.

A. Biodegradable

B. Agricultural

C. Ecofriendly

D. Non-biodegradable

Answer:



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119. Choose the correct alternative.

**Useful articles can be made from wastes by
_____solid wastes.**

A. incinerating

B. burning

C. recycling

D. land-filling

Answer:



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120. Choose the correct alternative.

Which of the following will take the shortest time to undergo natural degradation?

A. Woollen socks

B. Cloth bags

C. Plastic bags

D. Wood

Answer:



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121. Choose the correct alternative.

_____ is classified as industrial waste.

A. Pigments

B. Waste food

C. Blood

D. Arsenic

Answer:



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122. Answer the following.

Identiy the odd one out and justity.

Blood banks, Atomic energy plants, Clinics,
Hospitals



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123. Answer the following.

Match the waste materials given in group 'A'
with the time taken for their natural
degradation given in group 'B'.

Group 'A'		Group 'B'	
a.	Aluminium cans	1.	40-50 years
b.	Leather shoes	2.	50-100 years
		3.	200-250 years



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124. Answer the following.

True or False. If false correct the sentence.

According to solid waste Management, it is better to use lead batteries instead of rechargeable batteries.



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125. Answer the following.

Complete the analogy and explain

Weather : Shon-term Condition of the

atmosphere :: _____ : Long-term condition of the atmosphere



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126. Give reason:

Scientists find it necessary to study climate in view of its effect on agricultural production.



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127. Give scientific reasons

Management of solid waste is necessary.



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128. Answer the following :

What are natural reasons/causes for water pollution ?



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129. Distinguish between:

Degradable and non-degradable wastes:



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130. Answer the following

Give four examples of domestic wastes.



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131. Answer the following

A Student collects following items that she uses daily in the school. These items include books, stapler pins, steel Spoon, wooden scale and metal compass.

Which items are biodegradable?



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132. Answer the following

A Student collects following items that she

uses daily in the school. These items include books, stapler pins, steel Spoon, wooden scale and metal compass.

Which items can be recycled?



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133. Answer the following

A Student collects following items that she uses daily in the school. These items include books, stapler pins, steel Spoon, wooden scale and metal compass.

Suggest two methods that she can follow in order to help in waste management.



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134. Answer the following

What are the three basic Principles of first aid?



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135. Which different methods are used for transportation of patients? Why?



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136. State the scientific and eco-friendly methods of waste management



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137. What are the principles of solid waste management?



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