1. One reason sedum was planted on the Living Roof of the Dearborn Truck Plant is

Answer: B

a. to keep snow off the roof.

b. to help control water runoff.

c. to look beautiful.

d. to make the roof heavier.

Refer to pages 23-24 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

2. The moving assembly line allowed workers

Answer: D

- a. to build cars quicker and faster and be sold at a lower price.
- b. to do one task as the car moved along the moving belt.
- c. to stand in one place alongside of the belt.
- d. all of the above

Refer to pages 14-17 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

3. How does the porous pavement at the Ford Rouge Center help the environment?

Answer: D

- a. It makes swamps.
- b. It keeps away birds and insects.
- c. It kills weeds.
- d. It returns clean water to the Rouge River.

Refer to pages 23-24 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

4. One advantage of phytoremediation is that it may

Answer: A

- a. help clean soil.
- b. clean the floor of the factory.
- c. use plants to clean the air inside the factory.
- d. keep birds and wildlife away.

Refer to pages 23-24 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

5. A conveyor or moving belt that moves cars past workers who each add a part is called

Answer: C

- a. inventing.
- b. recycling.
- c. an assembly line.
- d. vertical integration.

Refer to pages 20-32 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

6. On the Living Roof of the Dearborn Truck Plant

Answer: D

- a. you will find green paint.
- b. trees have been planted.
- c. grass has been planted.
- d. are plants called sedum.

Refer to page "A" Michigan On The Move Fun Folder.

7. At 454,000 square feet, the Living Roof at the Ford Rouge Center

Answer: A

a. is the largest in the world.

b. is the smallest in the world.

c. is the same size as a football field.

d. none of the above

Refer to back cover of the Michigan On the Move Fun Folder.

Topic: 1

8. At 454,000 square feet, the area of the Living Roof at the Ford Rouge Center is equal to

Answer: A

a. 10.4 acres.

b. 3 acres.

c. 5 acres.

d. 20 acres.

Refer to Ford Rouge Center student page.

Topic: 3

9. The primary function of the Living Roof at the Ford Rouge Center is to

Answer: B

a. look beautiful.

b. collect and filter rainfall.

c. collect the energy from the sun.

d. provide an area for the workers to eat lunch.

Refer to Ford Rouge Center student page.

Topic: 4

10. The word innovative means trying something that is

Answer: D

a. new and different.

b. original.

c. inventive.

d. all of the above

Refer to pages 23-24 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

11. The Living Roof at the Ford Rouge Center

Answer: B

a. increases heating costs.

b. insulates the building.

c. increases cooling costs.

d. keeps the cost of insulating the building the same as it has always been.

Refer to pages 88-90 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

12. By protecting the underlying roof, the Living Roof at the Ford Rouge Center is expected to

Answer: B

a. last as many years as a conventional roof.

b. last twice as long as a conventional roof.

c. have higher roof replacement costs.

d. last forever.

Refer to pages 88-90 CONNECT-IT(tm) ACTIVITIES.

13. The Living Roof on the Dearborn Truck Plant weighs

Answer: A a. less than a conventional roof. b. more than a conventional roof. c. the same as a conventional roof. d. twice as much as a conventional roof. Refer to pages 88-90 CONNECT-IT(tm) ACTIVITIES. Topic: 1
14. The Living Roof at the Ford Rouge Center is planted with Answer: A a. sedum. b. sedum and grass. c. grass. d. weeds. Refer to Ford Rouge Center Student Page. Topic: 1
15. Rooftop monitors on the Dearborn Truck Plant Answer: B a. bring air into the plant. b. bring sunlight into the plant. c. keep visitors off the roof. d. monitor the amount of rainfall. Refer to Ford Rouge Center student page. Topic: 4
16. Part of the "Ford Rouge Factory Tour" includes Answer: A a. walking on an enclosed walkway. b. the opportunity to work on an assembly line. c. walking in the swales. d. taking a helicopter ride to see the roof. Refer to Ford Rouge Center Student Page. Topic: 1
17. During a drought, the Living Roof at the Ford Rouge Center will Answer: C a. die. b. need to be watered each day. c. most likely will not have a problem because the sedum is drought-resistant. d. need to be replanted. Refer to page 94 CONNECT-IT(tm) ACTIVITIES. Topic: 1
18. The Ford Rouge Center receives approximately of rainfall each year. Answer: D a. 1 inch b. 5 inches c. 70 inches d. 31 inches Expanding general knowledge. Topic: 4

19. The Living Roof on the Dearborn Truck Plant can hold enough runoff water to fill almost

Answer: A

a. six swimming pools.

b. one swimming pool.

c. all of the swimming pools in Dearborn, Michigan.

d. twenty swimming pools.

Expanding general knowledge.

Topic: 3

20. How much soil is on the Living Roof at the Ford Rouge Center?

Answer: A

a. none

b. one layer

c. two inches

d. eight inches

Inferred from Michigan On The Move Unit

Topic: 4

21. The sedum planted on the Dearborn Truck Plant's Living Roof is planted

Answer: C

a. in water.

b. in soil.

c. on a four layer vegetation blanket.

d. in soil mixed with vegetation.

Inferred information from Michigan On the Move Unit.

Topic: 4

22. Huge monitors on the roof of the Dearborn Truck Plant could also be called

Answer: D

a. skylights.

b. huge windows.

c. glass panels.

d. all of the above

Refer to Ford Rouge Center Student Page.

Topic: 4

23. How was the sedum installed on the Living Roof of the Ford Rouge Center?

Answer: C

a. It was planted on the roof.

b. It was planted in flowerbeds at the plant.

c. It was grown on a large field at the Allen Park Clay Mine Landfill.

d. It was transported from Ohio.

Expanding general knowledge.

Topic: 1

24. The monitors on the roof of the Dearborn Truck Plant provide natural sunlight which

Answer: D

a. reduces glare.

b. improves color perception.

c. reduces eyestrain.

d. all of the above

Inferred from Michigan On The Move unit.

25. The Living Roof on the Dearborn Truck Plant will Answer: B a. need mowing. b. never need mowing. c. need mowing every month. d. need mowing every week. Refer to Ford Rouge Center Student Page. Topic: 4
26. The Living Roof at the Ford Rouge Center final assembly building Answer: D a. moderates extremely hot and cold temperatures. b. reduces expansion and contraction of other roof materials. c. protects against UV radiation. d. all of the above Refer to pages 23-24 CONNECT-IT(tm) ACTIVITIES. Topic: 4
27. At the Ford Rouge Visitor Center, sunlight is captured by special and turned into electricity and hot water. Answer: C a. buckets b. enamel tubs c. photo sensory cells d. revolving skylights Refer to page 69 CONNECT-IT(tm) ACTIVITIES. Topic: 4
28. The Ford Rouge Center is not an easy place to manage storm water runoff because Answer: A a. it is located in a low-lying area with poorly draining soil. b. it is located in a high-lying area with poorly draining soil. c. it is not part of a watershed. d. there are too many storms. Expanding general knowledge. Topic: 3
29. Instead of a chemically based storm water treatment plant at the Ford Rouge Center, Ford designed Answer: B a. a new treatment plant. b. a system that mimics nature. c. a system that combats nature. d. a new water based system. Inferred from Michigan On The Move unit. Topic: 3
30. Porous pavement on the shipping lots at the Ford Rouge Center Answer: C a. is not for everyday use. b. soaks up and filters soil. c. soaks up and filters rain. d. is only used for boats by the dock. Inferred from Michigan On The Move unit. Topic: 4

- 31. The storm water management system at the Ford Rouge Center uses natural processes to clean runoff
- Answer: B
 a. before you can drink it.
- b. before it is returned to the watershed.
- c. before it is put into holding tanks.
- d. after it reaches the watershed.

Inferred from Michigan On The Move unit.

Topic: 4

- 32. The natural storm water management system at the Ford Rouge Center does all of the following except Answer: A
- a. increase the amount of storm water leaving the site.
- b. filter dirt particles.
- c. add oxygen to rivers and lakes.
- d. prevent major flooding.

Inferred from Michigan On The Move unit.

Topic: 3

33. The natural storm water management system at the Ford Rouge Center cost _____ the projected cost of a conventional system.

Answer: A

- a. less than
- b. more than
- c. two times
- d. one hundred times

Inferred from Michigan On The Move unit.

Topic: 3

34. At the Ford Rouge Center, the natural storm water management system

Answer: A

- a. reduces water volume.
- b. increases water volume.
- c. boosts water volume.
- d. adds water volume.

Refer to page 85 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

35. One of the benefits of the natural storm water management system at the Ford Rouge Center is

Answer: C

- a. it discourages wildlife from the area.
- b. it protects the water system from wildlife.
- c. it provides food and shelter for birds and wildlife.
- d. it does not provide food for birds and wildlife.

Refer to page 86 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

36. The natural storm water management system at the Ford Rouge Center does all of the following except

Answer: D

- a. help runoff.
- b. add greenspace.
- c. provide food and shelter for wildlife.
- d. increase runoff.

Refer to pages 83-87 CONNECT-IT(tm) ACTIVITIES.

37. Swales and wetlands at the Ford Rouge Center catch and clean storm water runoff Answer: C a. chemically. b. artificially. c. naturally. d. totally. Refer to pages 83-87 CONNECT-IT(tm) ACTIVITIES. Topic: 4	
38. The Ford Rouge Center's Living Roof and porous pavement at the Ford Rouge Center act as Answer: C a. blockades. b. barriers. c. filters. d. walls. Refer to Ford Rouge Center "a natural storm water system" pages. Topic: 4	
39. The porous pavement lot at the Ford Rouge Center covers over Answer: D a. 16 feet. b. 100 ft. c. 100 acres. d. 16 acres. Refer to Ford Rouge Center Student Page. Topic: 3	
40. The surface of the porous pavement lot at the Ford Rouge Center is Answer: C a. solid cement. b. a thick covering of blacktop. c. honeycombed with tiny holes. d. pavement. Refer to Ford Rouge Center Student Page. Topic: 1	
41. Together, the living roof, swales and natural treatment wetlands add many acres oft Ford Rouge Center. Answer: A a. green space. b. brown space. c. green grass. d. road space. Inferred from Michigan On The Move unit. Topic: 1	to the
42. The word swale means Answer: C a. really swell. b. drinkable. c. wetland-like ditches. d. a hard metal. Refer to page 94 CONNECT-IT(tm) ACTIVITIES. Topic: 2	

43. Solar cells are some of the Inferred from Michigan On The Move unit. Answer: B a. unsafe b. environmentally responsible c. future d. possible Topic: 1	_ innovations at the Ford Rouge Center.
44. The Dearborn Truck Plant is able to Answer: A a. make a wide variety of different vehicles. b. make only the F-150 truck. c. make five different models at the same time. d. make only Mustangs. Refer to Ford Rouge Center Student Page. Topic: 1	
45. Giant window boxes called monitor Answer: D a. ground-level b. suspended c. red d. rooftop Refer to page 23-24 CONNECT-IT(tm) ACTIVIT Topic: 1	s flood the Dearborn Truck Plant with daylight. TIES.
46. Miller Road is a 1.5-mile "green belt" Answer: B a. used as a parking lot for cars and trucks. b. boulevard of trees and plants. c. that is a one-way street. d. that is a one lane road. Expanding general knowledge. Topic: 1	
47. Each of the rooftop monitors at the Dearborn Answer: C a. 50 b. 35 c. 25 d. 22 Refer to page 104 CONNECT-IT(tm) ACTIVITIT Topic: 1	
48. Monitors and skylights at the Dearborn Truck resulting in Answer: C a. lower light. b. higher electrical energy costs. c. reducing the cost of electrical energy. d. turning off all lights in the plant. Inferred from Michigan On The Move unit. Topic: 4	c Plant reduce the need for artificial light on sunny days

49. Which of the following is the path storm water takes at the Ford Rouge Cente Answer: A a. living roof, porous pavement, ponds and swales and then to Rouge River b. Rouge River to ponds and swales c. ponds and swales to porous pavement d. none of the above Refer to page 101 CONNECT-IT(tm) ACTIVITIES. Topic: 4	r?
50. Approximately how many trees were planted during the revitalization at the F Answer: D a. 15,000 b. 150,000 c. 5.000 d. 1,500 Refer to pages 94-95 CONNECT-IT(tm) ACTIVITIES. Topic: 3	ord Rouge Center?
51. More thanhoney bees make their home at the Ford Rouge Center. Answer: C a. 200 b. 2,000 c. 20,000 d. 500 Refer to Michigan On The Move Fun Folder. Topic: 3	
52. At the Dearborn Truck Plant, do jobs like welding and windshield ins Answer: B a. technicians b. robots c. skilled labor d. engineers Refer to page 3 of the Michigan On The Move Fun Folder(tm) Topic: 2	stallations.
53. At the Dearborn Truck Plant, operators are usinginstead of compress Answer: C a. three-dimensional tools b. tried and true c. electric power tools d. pneumatic air tools Refer to page 3 of the Michigan On The Move Fun Folder(tm) Topic: 2	ed-air tools.
54. At the Dearborn Truck Plant, vehicles and operators ride on moving platforms can be raised or lowered for the operator's safety and comfort. Answer: D a. railroad cars b. elevators c. doors d. skillets Refer to page 3 of the Michigan On The Move Fun Folder(tm) Topic: 2	s called which

55. This process produces high-quality products and also eliminates wasted time, effort and space. Answer: C a. obsolete manufacturing b. renewed manufacturing c. lean manufacturing d. rearranged manufacturing Refer to page 3 of the Michigan On The Move Fun Folder(tm) Topic: 2
56 meets the needs of the present and keeps in mind the needs of the future. Answer: A a. Sustainable manufacturing b. Traditional manufacturing c. Ultramodern management d. Conservative management Refer to page 3 of the Michigan On The Move Fun Folder(tm) Topic: 2
57. The jointed mechanical arms that are used to lift and move heavy objects are called Answer: B a. robots. b. articulated arms. c. hi lows. d.elevators. Refer to page 3 of the Michigan On The Move Fun Folder(tm) Topic: 2
58. In-line vehicle sequencing means Answer: B a. vehicles progress down the line in sequence. b. the right vehicle and parts arrive at the same time at the workstation. c. the sequence of the vehicles is up to the driver. d. the worker decides the vehicle that they will work on next. Refer to page 3 of the Michigan On The Move Fun Folder(tm) Topic: 2
59. At the Ford Rouge Visitor Center, rainwater is collected in a 12,500-gallon and used fo irrigation. Answer: B a. pond b. cistern c. pit d. ditch Refer to page 4 of the Michigan On The Move Fun Folder(tm) Topic: 2
60. Ford Motor Company is experimenting with a system that uses paint fumes to create electricity. It is called Answer: C a. electricity to paint. b. paint to fumes. c. fumes to fuel. d. fuel to fumes. Refer to page 4 of the Michigan On The Move Fun Folder(tm) Topic: 1

provide Answer: A a. insulation and beauty. b. birdcages. c. privacy. d. heat.	netting on the outside walls of many of the buildings at the Ford Rouge Center nigan On The Move Fun Folder(tm)
62. The Living Roof atop to Answer: B a. 3 b. 9 c. 5 d. 4 Refer to the Michigan On Topic: 1	he Dearborn Truck Plant is as large as a hole golf course. The Move Fun Folder(tm)
63. The assembly line at the Answer: B a. one mile long. b. four miles long. c. one hundred yards long. d. three blocks long. Refer to the Michigan On Topic: 1	e Dearborn Truck Plant is over The Move Fun Folder(tm)
64. A skillet conveyor on the Answer: D at 400 pounds. bt 450 pounds. ct 3,000 pounds. dt 4,400 pounds. dt 4,400 pounds. Refer to the Michigan On Topic: 1	the assembly line at the Dearborn Truck Plant can support up to The Move Fun Folder(tm)
65. In eight hours, enough bumper over Answer: B a. one half mile b. two miles. c. ten miles. d. one mile. Refer to the Michigan On Topic: 1	vehicles can be manufactured at the Dearborn Truck Plant to stretch bumper-to-
66. Nonrenewable fuel sou Answer: B a. electricity, gas and gasol b. oil, gas and coal. c. limestone, coal and gyps d. gas, oil and limestone. Refer to page 69 CONNEC Topic: 4	ine. um.

67. Gasoline made from oil is a ______ source of energy.

Answer: C
a. renewable
b. replaceable
c. nonrenewable
d. alternative
Refer to page 69 CONNECT-IT(tm) ACTIVITIES.

Topic: 4