

Michigan On The Move
Level 9 Questions

1. What car part carries fuel from the gas tank to the engine?

Answer: B

- a. pistons
- b. fuel line
- c. fan
- d. spark plug

Refer to page 92 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

2. What car part causes the fuel to ignite?

Answer: C

- a. pistons
- b. radiator
- c. spark plug
- d. fuel line

Refer to page 92 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

3. A _____ is part of the cooling system in a car.

Answer: B

- a. fuel tank
- b. fan
- c. piston
- d. fuel line

Refer to page 92 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

4. What covers the engine of a vehicle?

Answer: B

- a. transmission
- b. hood
- c. trunk
- d. windshield

Refer to page 92 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

5. What holds the water for the engine?

Answer: C

- a. trunk
- b. water tank
- c. radiator
- d. water line

Refer to page 92 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

6. Where is fuel for an automobile stored?

Answer: B

- a. fuel gauge
- b. fuel tank
- c. fuel radiator
- d. none of the above

Refer to page 92 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

Michigan On The Move
Level 9 Questions

7. What part of an engine moves up and down to move the crankshaft?

Answer: A

- a. pistons
- b. radiator
- c. fuel
- d. axle

Refer to page 92 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

8. What turns the drive wheels on an automobile?

Answer: B

- a. cranks
- b. axle
- c. rotors
- d. tires

Refer to page 92 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

9. Air and gas are mixed in the

Answer: B

- a. fuel tank.
- b. carburetor.
- c. radiator.
- d. rotors.

Refer to page 93 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

10. Spark plugs ignite gas making

Answer: B

- a. friction.
- b. an explosion.
- c. noise.
- d. fuel.

Refer to page 93 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

11. The crankshaft turns the

Answer: B

- a. four wheels.
- b. drive shaft.
- c. drive wheel.
- d. over drive.

Refer to page 93 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

12. The drive shaft turns the

Answer: B

- a. four tires.
- b. drive wheels.
- c. over drive.
- d. radiator tank.

Refer to page 93 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

Michigan On The Move
Level 9 Questions

13. The gas/air mixture goes into the

Answer: D

- a. fuel line.
- b. radiator.
- c. pistons.
- d. cylinders.

Refer to page 93 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

14. The pistons move _____ and turn the crankshaft.

Answer: B

- a. in a circle
- b. up and down
- c. clockwise
- d. back and forth

Refer to page 93 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

15. In 1932, Ford introduced the V-8 engine. Today it is still being used in

Answer: D

- a. cars.
- b. trucks.
- c. NASCAR racing cars.
- d. all of the above

Refer to page 10 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

16. The Ford Thunderbird was very popular because it

Answer: A

- a. reflected the spirit and youthful attitude of the 1950s and 1960s.
- b. was liked by wealthy business owners.
- c. was made in foreign countries.
- d. was inexpensive.

Refer to page 10 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

17. What was the name of the farm tractor built at the Rouge in 1920?

Answer: C

- a. John Deere
- b. Thrasher
- c. Fordson
- d. Henry

Refer to page 10 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

18. In 2004, the production of the F-150 truck

Answer: C

- a. ended at the Ford Rouge Center.
- b. was moved to another state.
- c. began at the Ford Rouge Center's Dearborn Truck Plant.
- d. was stopped forever.

Refer to page 10 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

Michigan On The Move
Level 9 Questions

19 Why was the Rouge River widened in 1917?

Answer: A

- a. to make the river accessible for ore boats
- b. to allow more factories to be built
- c. to make it more beautiful
- d. to provide a better habitat for all types of fish

Refer to page 10 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

20. Which of these vehicles has been produced at the Ford Rouge Center?

Answer: D

- a. Mustang
- b. F-150 Truck
- c. Eagle Boat
- d. all of the above

Refer to page 10 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

21. In 1918, a foundry was built at the Ford Rouge Center that provided

Answer: D

- a. iron.
- b. steel.
- c. brass.
- d. all of the above

Refer to page 10 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

22. In 1923, the glass plant that was built at the Ford Rouge Center produced _____ of glass each day.

Answer: D

- a. 13.4 yards
- b. 13.4 feet
- c. 134 inches
- d. 13.4 miles

Refer to page 10 CONNECT-IT(tm) ACTIVITIES.

Topic: 3

23. What was used to steer the first gasoline-powered, horseless carriage?

Answer: C

- a. a steering wheel
- b. a horse
- c. a tiller
- d. none of the above

Refer to Michigan on the Move Student Page.

Topic: 1

24. What major change began at the Ford Rouge Center in 2000?

Answer: A

- a. The revitalization of the Ford Rouge Center to become a world-class workplace.
- b. No vehicles were made on the site.
- c. Ford Motor Company sold the Ford Rouge Center.
- d. Ford Motor Company began making boats there.

Refer to page 10 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

Michigan On The Move
Level 9 Questions

25. On the Model T assembly line workers attached the _____ to the car body first.

Answer: C

- a. fenders and lamps
- b. engine
- c. seats, hood and sides
- d. steering wheel, wheels and radiator

Refer to page 15 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

26. How was a Model T different from other cars?

Answer: B

- a. It could not be driven on paved roads.
- b. It could get through when other cars were stuck in the mud.
- c. It only could be driven on sunny days.
- d. Only one person could sit in the car.

Refer to Michigan on the Move Student Page.

Topic: 1

27. Model T's were used as _____ all over the United States.

Answer: D

- a. passenger cars
- b. ambulances
- c. fire trucks
- d. all of the above

Refer to Michigan on the Move Student Page.

Topic: 1

28. In the 1980s, a law was passed requiring

Answer: C

- a. everyone to follow the speed limit.
- b. children to sit in the back seat.
- c. front seat passengers to wear seatbelts.
- d. bumpers on all cars.

Refer to page 49 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

29. In the _____, a law was passed to reduce automobile emissions.

Answer: D

- a. 1960s
- b. 1990s
- c. 1950s
- d. 1970s

Refer to page 48 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

30. In the 1950s, what automobile company was the first to install a one-piece windshield?

Answer: B

- a. Buick
- b. Cadillac
- c. Ford
- d. Chrysler

Refer to page 47 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

Michigan On The Move
Level 9 Questions

31. In the 1950s, GM introduced the first _____ in the United States.

Answer: C

- a. convertible
- b. power brakes
- c. gas-turbine engine
- d. rearview mirror

Refer to page 47 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

32. The first car phone was installed in the

Answer: A

- a. 1940s.
- b. 1950s.
- c. 1960s.
- d. 1970s.

Refer to page 47 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

33. This vehicle was named for the 16th President of the United States.

Answer: D

- a. Ford
- b. Washington
- c. Roosevelt
- d. Lincoln

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

34. When was power steering introduced as an option on automobiles?

Answer: C

- a. 1920s
- b. 1930s
- c. 1940s
- d. 1950s

Refer to page 47 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

35. When did Ford Motor Company conduct the first crash test on cars?

Answer: A

- a. 1950s
- b. 1960s
- c. 1970s
- d. 1980s

Refer to page 47 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

36. When were license plates issued for motor vehicles?

Answer: A

- a. 1920s
- b. 1930s
- c. 1940s
- d. 1910s

Refer to page 46 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

Michigan On The Move
Level 9 Questions

37. In the 1920s, Ford Motor Company developed

Answer: C

- a. all-wheel drive.
- b. trailer hitches.
- c. safety glass.
- d. rear bumpers.

Refer to page 46 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

38. When did Ford Motor Company unveil its V-8 engine?

Answer: D

- a. 1950s
- b. 1920s
- c. 1940s
- d. 1930s

Refer to page 46 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

39. Turn signals were developed during the

Answer: C

- a. 1910s
- b. 1920s
- c. 1930s
- d. 1940s

Refer to page 46 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

40. In the 1930s, the first automatic _____ was introduced.

Answer: B

- a. engine
- b. transmission
- c. door lock
- d. glove box

Refer to page 46 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

41. Automobiles were redesigned to use unleaded gas to

Answer: A

- a. reduce emissions.
- b. increase emissions.
- c. increase sales.
- d. increase production.

Refer to page 48 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

42. Automobiles were downsized during the 1970s to

Answer: B

- a. look better.
- b. save fuel.
- c. to go faster.
- d. to go slower.

Refer to page 48 CONNECT-IT(tm) ACTIVITIES.

Topic: 5

Michigan On The Move
Level 9 Questions

43. In the 1960s, poly vinyl chloride valves were installed on cars in California

Answer: C

- a. to withstand the heat.
- b. to use on the beach.
- c. to reduce emissions.
- d. to make them look better.

Refer to page 48 CONNECT-IT(tm) ACTIVITIES.

Topic: 4

44. When did SUVs become popular family vehicles?

Answer: D

- a. 1950s
- b. 1960s
- c. 1980s
- d. 1990s

Refer to page 49 CONNECT-IT(tm) ACTIVITIES.

Topic: 5

45. Ford Motor Company used the first steel auto wheels in the

Answer: C

- a. 1940s.
- b. 1950s.
- c. 1900s.
- d. 1910s.

Refer to page 45 CONNECT-IT(tm) ACTIVITIES.

Topic: 5

46. At the Ford Rouge Center, robots install windshields. They use _____ to place the windshield in just the right place.

Answer: B

- a. radar
- b. lasers
- c. microscopes
- d. compasses

Refer to page 5 of the Michigan On The Move Fun Folder(tm).

Topic: 2

47. As part of the testing process, every vehicle assembled at the Dearborn Truck Plant goes through a high-pressure _____ for 21/2 minutes.

Answer: B

- a. paint booth
- b. water test
- c. noise chamber
- d. air compressor

Refer to page 5 of the Michigan On The Move Fun Folder(tm).

Topic: 2

48. The _____ is the main structure of a vehicle.

Answer: A

- a. body
- b. fender
- c. axle
- d. radiator

Refer to page 5 of the Michigan On The Move Fun Folder(tm).

Topic: 2

Michigan On The Move
Level 9 Questions

49. The _____ is the metal frame that supports many important parts like the engine.

Answer: A

- a. chassis
- b. framework
- c. hood
- d. bumper

Refer to page 5 of the Michigan On The Move Fun Folder(tm).

Topic: 2

50. The "V" in the V-8 engine tells you that the _____ inside the engine are arranged in a v-shaped pattern.

Answer: C

- a. spark plugs
- b. pistons
- c. cylinders
- d. carburetors

Refer to page 5 of the Michigan On The Move Fun Folder(tm).

Topic: 2

51. The does the number 8 in a V-8 engine stand for?

Answer: A

- a. number of cylinders
- b. number of pistons
- c. speed
- d. weight

Refer to page 5 of the Michigan On The Move Fun Folder(tm).

Topic: 2

52. The Dearborn Truck Plant's assembly line aisles are as wide as

Answer: C

- a. an interstate highway.
- b. a one-way road.
- c. a two-lane highway.
- d. a bus.

Refer to page 5 of the Michigan On The Move Fun Folder(tm).

Topic: 1

53. Henry Ford wanted the Ford Rouge Complex to be self-sufficient and have everything needed to make cars right there. This idea is called

Answer: B

- a. a conveyor belt.
- b. vertical integration.
- c. transmission.
- d. an assembly line.

Refer to page 22 of the CONNECT-IT(tm) ACTIVITIES.

Topic: 1

54. More than _____ different parts are needed to make just one F-150 pickup truck.

Refer to the Michigan On The Move Fun Folder(tm).

Answer: C

- a. 30
- b. 300
- c. 3,000
- d. 300,000

Topic: 1

Michigan On The Move
Level 9 Questions

55. The name of this vehicle in astrology is the sign of the bull.

Answer: B

- a. Aries
- b. Taurus
- c. Sagittarius
- d. Uranus

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

56. This company has a vehicle named for a bug.

Answer: B

- a. Buick
- b. Volkswagen
- c. Cadillac
- d. Dodge

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

57. At the Dearborn Truck Plant, how many robots are used to weld steel together to form the body of a truck?

Answer: B

- a. 38
- b. over 280
- c. 28
- d. 3,000

Refer to the Michigan On The Move Fun Folder(tm).

Topic: 1

58. The initials BMW mean

Answer: C

- a. Back Motor Works.
- b. Bruce Matthew Waters.
- c. Bavarian Motor Works.
- d. British Motor Works.

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

59. The name of an airplane made by Ford Motor Company in 1942 was the

Answer: A

- a. Liberator.
- b. Law and Order.
- c. Personal Space.
- d. Caravan.

Refer to Michigan On The Move Student Page.

Topic: 2

60. This vehicle is named for a spotted, tropical South American cat.

Answer: B

- a. Tiger
- b. Jaguar
- c. Cheetah
- d. Lioness

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

Michigan On The Move
Level 9 Questions

61. The name of this vehicle means a group of vehicles traveling in a line.

Answer: D

- a. Cavalier
- b. Follow the Leader
- c. Camper
- d. Caravan

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

62. A vehicle used by the police in 1931 was called a

Answer: B

- a. Station Wagon.
- b. Paddy Wagon.
- c. Police Car.
- d. Ambulance.

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

63. A bird chased by a coyote in a cartoon, and also Arizona's state bird, is a

Answer: C

- a. Robin.
- b. Tweety Bird.
- c. Roadrunner.
- d. Blue Bird.

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

64. The first mass-produced tractor made at the Ford Rouge Center was the

Answer: B

- a. John Deere.
- b. Fordson.
- c. Toro.
- d. none of the above

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

65. A vehicle named after a Native American Tribe is the

Answer: C

- a. Sioux.
- b. Iroquois.
- c. Cherokee.
- d. Seminole.

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

66. The PT in the vehicle PT Cruiser means

Answer: B

- a. Public Transportation.
- b. Personal Transportation.
- c. Petite.
- d. Personal Town

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

Michigan On The Move
Level 9 Questions

67. In World War I, Model T's were used

Answer: A

- a. as field ambulances.
- b. to transport soldiers.
- c. to move ammunition.
- d. as tents.

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 5

68. A vehicle named for a fast, wild horse is a

Answer: A

- a. Mustang.
- b. Colt.
- c. Stallion.
- d. Mare.

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

69. This vehicle was named after Henry Ford's son.

Answer: C

- a. William
- b. Clay
- c. Edsel
- d. Paul

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

70. A vehicle named for a bird that the Native Americans thought brought stormy weather was the

Answer: B

- a. Thunder.
- b. Thunderbird.
- c. Firebird.
- d. Lightning.

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

71. Nicknamed the Tin Lizzie, this vehicle was named car of the century.

Answer: C

- a. Mustang
- b. Model A
- c. Model T
- d. Thunderbird

Refer to page 13 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

72. Which United States carmaker was the first to make cars with standardized parts?

Answer: D

- a. GM
- b. Chrysler
- c. Ford
- d. Oldsmobile

Refer to page 76 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

Michigan On The Move
Level 9 Questions

73. This car had no options and only came in black.

Answer: B

- a. Model A Ford
- b. Model T Ford
- c. Model S Ford
- d. Model G Ford

Refer to page 76 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

74. In 1908, William C. Durant offered to sell stock in a new company he was forming. He then used the cash and stock to buy four existing automakers. What was the name of this company?

Answer: C

- a. Ford Motor Company
- b. Chrysler Corporation
- c. General Motors
- d. The International Motor Company

Refer to page 76 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

75. A car was named for this French adventurer who founded the city of Detroit in 1701.

Answer: A

- a. Antoine de la Mothe Cadillac
- b. Anthony Wayne
- c. Napoleon
- d. George Rogers Clark

Refer to page 76 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

76. The fifth car company to be acquired by General Motors in 1911 was named for this Swiss-born race car driver. Who was it?

Answer: A

- a. Louis Chevrolet
- b. Mario Andretti
- c. Barney Oldfield
- d. Jeff Gordon

Refer to page 76 CONNECT-IT(tm) ACTIVITIES.

Topic: 2

77. Charles Kettering of Dayton Engineering Laboratories Company invented one of the most important advancements the auto industry has ever known. It first appeared on Cadillacs in 1912. Cars equipped with his invention sold like crazy. What was his invention?

Answer: D

- a. power steering
- b. automatic transmission
- c. fuel pump
- d. the electric starter

Refer to page 76 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

Michigan On The Move
Level 9 Questions

78. Following a dispute with stockholders, Ransom E. Olds quit Oldsmobile even before it was bought by General Motors. He then built cars and trucks under which brand name?

Answer: B

- a. Buick
- b. REO
- c. Tucker
- d. Lincoln Motor Car

Topic: 1

79. What do the initials A.C. stand for in A.C. Spark Plug?

Answer: C

- a. Albert Cole
- b. Albert Cunningham
- c. Albert Champion
- d. Albert Chesterfield

Topic: 1

80. This man was a chief engineer for General Motors. He quit, bought the Maxwell Automobile Works and changed the car name to his own. Who was it?

Answer: D

- a. Billy Durant
- b. Henry Leland
- c. James Couzens
- d. Walter P. Chrysler

Topic: 1

81. The German automaker Daimler named a car for the daughter of one of his employees. What was the girl's name?

Answer: D

- a. Marsella
- b. Jupiter
- c. Porsche
- d. Mercedes

Topic: 1

82. What was the origin of the name Jeep(?)

Answer: B

- a. "Jeepers Creepers"
- b. It was named by saying aloud "G.P." or "general purpose" vehicle.
- c. "Just easy, easy please."
- d. It was made on Jeep(Street.

Topic: 1

83. Which of these brothers sold their company to Chrysler in 1928?

Answer: A

- a. Dodge Brothers
- b. Daimler Brothers
- c. Ford Brothers
- d. General Brothers

Topic: 1

Michigan On The Move
Level 9 Questions

84. Ford named a line of cars for the son of Henry Ford. What was the son's name?

Answer: D

- a. Ernie
- b. Earl
- c. Diesel
- d. Edsel

Topic: 1

85. America's Interstate Highway System was established by which U.S. President?

Answer: B

- a. Washington
- b. Eisenhower
- c. Bush
- d. Carter

Topic: 1

86. In the 1950s, this new smaller car was such a success for American Motors, that they stopped making their big Nash and Hudson cars. Which car was it?

Answer: A

- a. Rambler
- b. Rustler
- c. Gambler
- d. Gustler

Topic: 1

87. The Yellow Coach Company would eventually become which brand of trucks?

Answer: A

- a. GMC
- b. Dodge
- c. Ford
- d. Toyota

Topic: 1

88. John F. Kennedy was riding in which brand of vehicle in Dallas when he was fatally shot?

Answer: D

- a. Bonneville
- b. Aurora
- c. Rivera
- d. Lincoln Continental

Refer to page 76-77 CONNECT-IT(tm) ACTIVITIES.

Topic: 1

89. Which former general manager of Pontiac Division started a company to build sports cars?

Answer: C

- a. Preston Tucker
- b. Walter P. Chrysler
- c. John DeLorean
- d. Lee Iacocca

Topic: 1

Michigan On The Move
Level 9 Questions

90. What car company produced a truck that was changed and used in the T.V. show, the Beverly Hillbillies?

Answer: D

- a. GM
- b. Chrysler
- c. Ford
- d. Oldsmobile

Topic: 1

91. In the Beach Boys' song "Little Old Lady From Pasadena," what brand of car did she drive?

Answer: B

- a. Chevrolet
- b. Dodge
- c. Toyota
- d. Honda

Topic: 1