Review Questions

1. What is the name of the automotive chassis design that has a floorpan and a small subframe section in the front and rear?

2. When air and fuel are compressed, they become very \_\_\_\_\_\_\_\_\_.

3. What does reciprocating mean?

4. The valve is opened by a \_\_\_\_\_\_\_\_\_ on the camshaft.

5. What are the names of the parts that seal the combustion gases between the piston and the cylinder?

6. The movement of the piston from the top of its travel to the bottom of its travel is called a \_\_\_\_\_\_\_\_\_.

7. List the four strokes of the four-stroke cycle in order.

8. The air–fuel mixture is \_\_\_\_\_\_\_\_\_ as the piston moves up on the compression stroke.

9. What is another name for antifreeze?

10. The air–fuel ratio on gasoline engines ranges from about \_\_\_\_\_\_\_\_\_:1 to \_\_\_\_\_\_\_\_\_:1.

11. What is the name of the butterfly valve that controls the amount of air entering the engine?

12. The \_\_\_\_\_\_\_\_\_ allows the rear wheels to rotate at different speeds as the vehicle goes around corners.

13. The starter motor pinion gear drives the \_\_\_\_\_\_\_\_\_ gear on the crankshaft’s flywheel.

14. The parts of a computer control system that react to temperature, airflow, engine load, road speed, and oxygen content in the exhaust stream are called \_\_\_\_\_\_\_\_\_.

15. What was the name of the patent for the automobile?