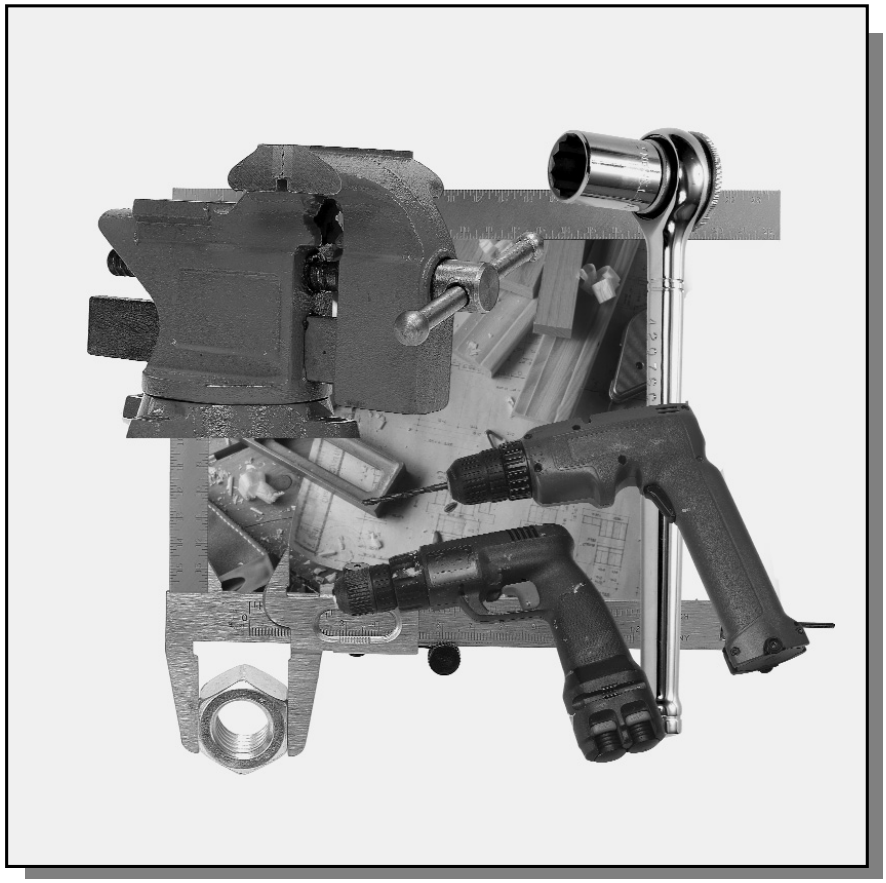
Character and Skills for Home and Careers

Activities



Chapter 1

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Character and Skills for Home and Careers

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Name: _____ *Character and Skills for Home and Careers*

Chapter 1, Section 1

Date: _____ Grade: _____



Automotive

ACTIVITIES
Lesson 1

The Discovery

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. The setting for the story is the month of _____.

2. The problem that James faces is: _____.
   (a) boredom (c) not having enough time to complete his chores
   (b) ball playing ability (d) a lack of money

3. James' father and grandfather attended Booker T. Washington High School. _____
   (a) True or (b) False

4. "At the back of the property sagged a ***dilapidated*** shed surrounded by junk of every type imaginable." In this sentence, *dilapidated* means: _____.
   (a) clean (c) ugly
   (b) in a state of disrepair (d) expensive

5. James could not see when he first entered the shed because the lights were so bright.
   _____ (a) True or (b) False

6. The surprise James' father had for him was (be specific) a _____
   _____.

7. The car parts that were missing under the hood were the _____,
   _____ and _____.

8. The part that drives the water pump and other car accessories is the: _____.
   (a) generator (c) radiator
   (b) fan (d) fan belt

9. A _____ is the part of a car that helps cool the water on water-cooled engines.

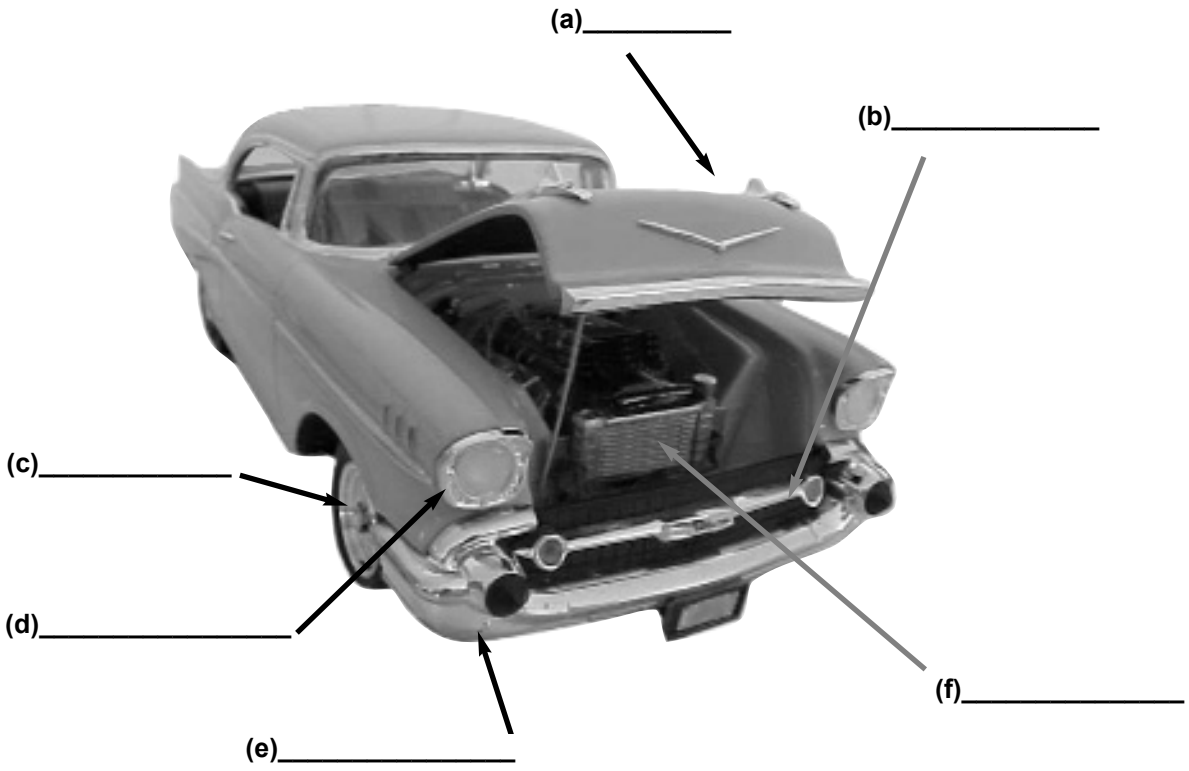
10. The ***battery*** is a _____ device for electrical energy.

11. The engine was also missing from the car. _____
    (a) True or (b) False

12. The exterior missing parts were: _____.
    (a) hubcaps and tailpipe (c) headlight ring and grille
    (b) headlight ring and hubcaps (d) none

13. This story is mainly about: _____.
(a) a boy and his dog
(b) a dilapidated old house
(c) a father-son project
(d) a boy whose father reminisces about the 1950s

14. Label the diagram below.



15. Write the **Life Principle:** "_____
_____."



Automotive

ACTIVITIES
Lesson 2

Counting the Cost

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. Mr. Crenshaw attended school at Booker T. Washington High School with: _____.
   (a) James (c) James' grandpa
   (b) James' dad (d) James' mother

2. The cost of the '57 Chevy was $500.00. _____ (a) True or (b) False

3. James would make _____ per hour working for Mr.Crenshaw.
   (a) $4.50 (c) $7.00
   (b) $5.00 (d) $3.00

4. James thought that by working for Mr. Crenshaw, he could pay for his car, with some money left over. _____ (a) True or (b) False

5. James' dad had brought _____, _____, _____ and _____ in preparation for getting the car ready to move.

6. A _____ uses liquid under pressure to lift an object.

7. To support a vehicle that has been lifted, you would use _____.

8. James applied the ***penetrating oil*** in preparation for: _____.
   (a) loosening the lug nuts (c) painting the lug nuts
   (b) tightening the lug nuts (d) making the lug nuts secure

9. A _____ sometimes needs an _____ for more leverage.

10. After loosening the lug nuts, the next step was: _____.
    (a) jacking up the right front wheel
    (b) jacking up the left front wheel
    (c) spraying the lug nuts with penetrating oil
    (d) checking the tires for leaks

11. The _____ is part of the _____ that connects and holds the ***spindle*** to the frame.

12. The size of the tires on the '57 Chevy was _____.

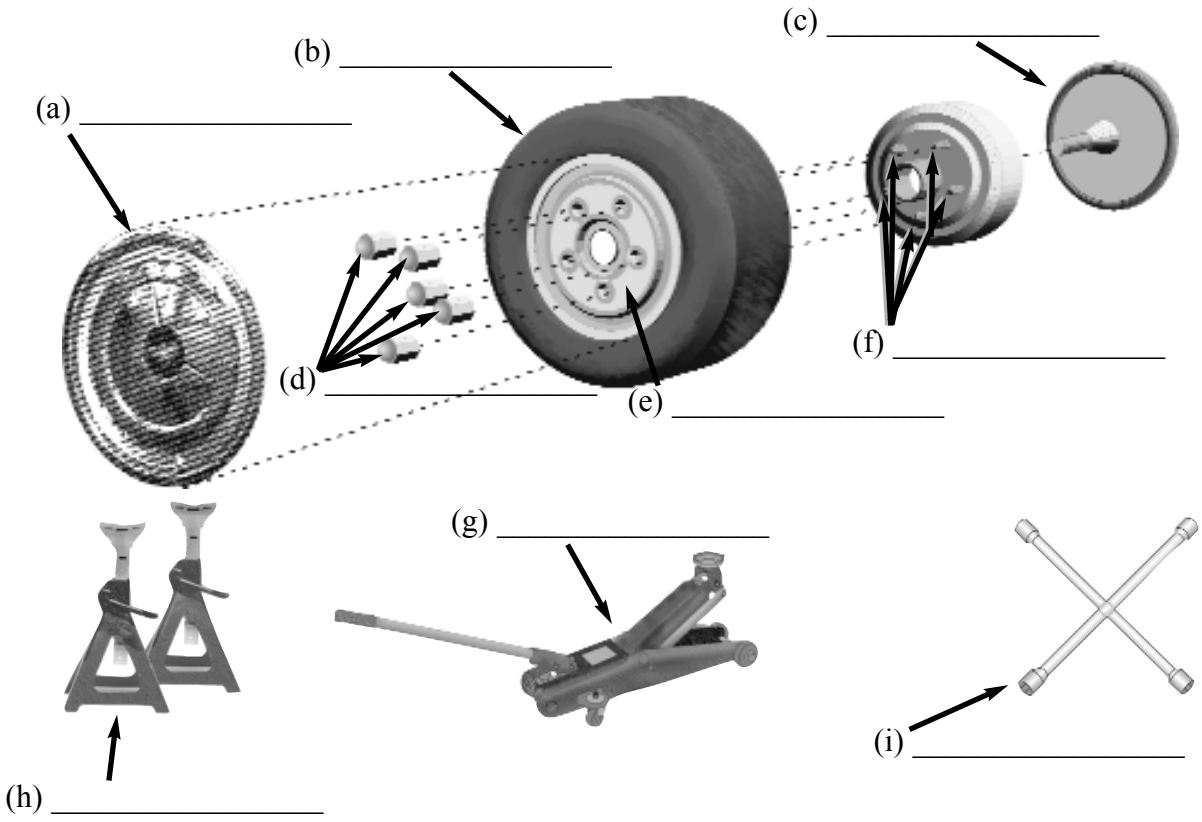
13. The new tires decided upon for the '57 Chevy were of size _____.

14. ***Balancing*** tires means to carry a tire in each hand so you can stay balanced. _____
    (a) True or (b) False

15. The total cost of the tires and the balancing was _____.

16. The main setting for this lesson is: _____.
    (a) Mr. Crenshaw's house and Melvin's Tire Shop
    (b) Mr. Crenshaw's shed and James' backyard
    (c) Mr. Crenshaw's place and Melvin's Tire Shop
    (d) James' backyard and Melvin's Tire Shop

17. Label the items below. Letters A-F illustrate how various parts fit together to make up a vehicle wheel system. Letters G-I are tools.



18. Write the **Life Principle**: "_____
_____."



Automotive

Preparing to Move

ACTIVITIES
Lesson 3

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. What did James and his dad use to haul the Chevy? _____
   (a) a moving van (c) a tractor trailer
   (b) a 16-foot flatbed trailer (d) a 20-foot flatbed trailer

2. What size of tires did James' dad purchase? _____

3. James' dad brought a _____ and some _____ _____ to help move the car.

4. The old and new tire sizes were different because: _____.
   (a) larger tires were needed (c) the size, 7.50 x 15 was not available
   (b) smaller tires were better (d) different manufacturing codes were used

5. The new tires of size 195R x 15 were chosen because: _____.
   (a) they were cheaper (c) they were the same size as the old tires
   (b) they had a better warranty (d) they were larger than the old tires

6. Today, tire sizes are based on what measuring system? _____
   (a) the inch system (c) the metric system
   (b) the English system (d) the air system

7. Why did the United States tire manufacturers change tire sizes to the metric system?
   _____
   _____

8. ***Ramps*** were used to: _____.
   (a) jack up the car (c) make an incline to load the car
   (b) tow the car (d) tow the trailer

9. What two methods did James use to direct his dad who was backing the trailer into the shed? _____
   _____

10. What did Dad do after the lug nuts were started on each wheel? _____
    _____

11. The jack stands had to be removed because: _____.
    (a) they were under the tires (c) they were preventing the car from starting
    (b) they held the car off the ground (d) they were broken

12. There was some concern about _____ while lowering the car to the ground.
    (a) insects (c) safety
    (b) fenders (d) the jack

13. The car was put into ***neutral*** so it could be _____.

14. Inside the Chevy, James located the parking brake, _____ and gear shift.

15. James used the _____ to position the car while being loaded.
    (a) steering wheel (c) brake
    (b) clutch (d) headlights

16. Why were the nylon straps installed on the front and rear bumpers of the car?
    _____
    _____.

17. Write the **Life Principle**: "_____."

Name: _____ *Character and Skills for Home and Careers*

Chapter 1, Section 1

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Automotive

ACTIVITIES
Lesson 4

Moving Day

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. Mr. Crenshaw informed James that the '57 Chevy had been around a long time and that he expected James to: _____.
   (a) junk it (c) give it back to him
   (b) take good care of it (d) spend a lot of money on it

2. When James started the ***restoration*** on the car he wanted to: _____ _____.
   (a) just get the engine to run again
   (b) patch the car enough to be able to drive it
   (c) return it to its original owner
   (d) bring the quality of the car back to its original condition

3. James promised to begin cleaning Mr. Crenshaw's lot: _____.
   (a) next year (c) next week
   (b) next month (d) tomorrow

4. James' opinion of Mr. Crenshaw was that: _____.
   (a) he was old and grouchy (c) he was a good, honest man
   (b) he was shrewd and stingy (d) he did not know much about cars

5. James commented to his dad that: _____ _____.
   (a) they would never get the car home
   (b) they needed to wave at everyone they passed
   (c) they wouldn't be able to sell the car
   (d) you could observe more things in life when you traveled at a slower speed

6. James' mom and sister, _____, were standing in the yard waiting for James and his dad.
   (a) La Shonda (c) Frances
   (b) La Toya (d) Earnestine

7. LaShonda did not like the car and did not want to help her brother. _____
   (a) True or (b) False

8. James was worried about how they were going to _____ the car from the trailer.

9. What did they do immediately after removing the tie-down straps from the car?
_____
_____

10. James was going to ***winch*** the car off the trailer. To *winch* something means to: _____
_____.
(a) use a series of jerking motions
(b) move something using a winch
(c) remove something by violent action
(d) remove by using wrenches

11. James' dad informed James that they would need to place the car back on the jack stands for the following reasons: _____
_____.
(a) to repair it, wash it and paint it
(b) to ***stabilize*** it and to be able to work under it
(c) to replace the tires and remove the transmission
(d) to remove the body from the frame

12. James did not want the day to be ***marred*** by: _____.
(a) a lot of dirt
(b) scratching the car
(c) a ***catastrophe***
(d) his sister

13. Write the **Life Principle**: "_____
_____
_____."



Automotive

Taking Inventory

ACTIVITIES
Lesson 5

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. What were the items on the list that James was to do?
   (a) _____
   (b) _____
   (c) _____
   (d) _____
   (e) _____
   (f) _____

2. James was concerned about his ability to perform the tasks on the list. _____
   (a) True or (b) False

3. James' dad left a _____ on the table to help James define the terms and perform the tasks.

4. An oil dipstick would be used to: _____ _____.
   (a) dip oil out of a container
   (b) oil remote parts
   (c) check the quality of oil in an engine
   (d) measure the quantity of oil in an engine

5. Under the car, James located the oil pan and drain plug. He used a _____ (or ratchet) to open the drain plug.

6. What was the purpose of the flat pan? _____ _____

7. Where on a car is the radiator located, and what is its function? _____ _____

8. The battery James would need for the car would be 12 volt with at least _____ of cranking power.

9. The drive belt in front was measured by placing a _____ around the _____.

10. James did not find any problems in the air filter housing. _____
    (a) True or (b) False

11. The air filter was mounted on top of the _____.

12. The tools that James used to remove the radiator hose clamps were a _____ screwdriver and _____.
13. James plugged all the openings with paper towels to keep out: _____, _____, and _____.
14. Place an "X" before each pertinent phrase below. Throughout this project, the greatest skills needed by James were:
    _____ the ability to read and follow directions
    _____ paying attention to details
    _____ using common sense (critical thinking)
    _____ remembering his last quiz in his auto mechanics class
15. Write the **Life Principle**: "_____ _____."

Complete the Hands on Practical Application projects on the following page.

Note: Ask your teacher for the quiz over lessons 1-5 before proceeding to the next section. Reminder: If you score 85% or higher on the three section quizzes, you may be exempt from the chapter test!



Warning

Students under the age of 18 should not attempt projects described in this course without supervision by a competent adult.

Hands On Practical Application

These are OPTIONAL PRACTICAL PROJECTS to be conducted under direct supervision of the teacher while manipulating tools and equipment included in this section. (No Answers in Key)

Check each item that is identified or demonstrated.

1. Student identifies items on exterior of vehicles including:
   - ____ hubcaps
   - ____ tires
   - ____ rims
   - ____ head lights
   - ____ tail lights
   - ____ windshield
   - ____ license plate light
   - ____ lug nuts
2. Student identifies tools used for changing tires including:
   - ____ jack
   - ____ jack stand
   - ____ lug wrench
   - ____ penetrating oil
3. Student identifies size on several different tires. (Write down four different tire sizes found on cars or pick-up trucks.)
   (a) _____ (c) _____
   (b) _____ (d) _____
4. Student demonstrates the method to raise a car safely to remove a wheel.
5. Student demonstrates ability to change a tire safely on a vehicle.
6. Student demonstrates the use of a winch or come along to pull something heavy or lift an object safely:
   - ____ connect the winch/come along to the object to be pulled or lifted
   - ____ operate the winch/come along to pull or raise the object
   - ____ release the winch/come along in order to disconnect from the object

_____
(Teacher's signature)

Name: _____ *Character and Skills for Home and Careers*

Chapter 1, Section 2

Date: _____ Grade: _____



Automotive

Getting a Charge

ACTIVITIES
Lesson 6

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. James got his information about the battery size for the car from: _____ _____.
   (a) his dad, (c) the '57 Chevy Manual
   (b) the old battery label (d) the Sears repairman

2. The battery that James' dad purchased had a _____ year warranty and _____ cranking ***amperage***.

3. What were three safety precautions that Dad mentioned regarding handling a car battery?
   (a) _____
   _____
   (b) _____
   _____
   (c) _____
   _____

4. Dad explained that when installing a car battery, the negative cable should always be connected to the negative post (so the car's electrical components would not be damaged). _____ (a) True or (b) False

5. An automobile's ***chassis*** is its _____.

6. Protecting the polarity between posts is important when installing a battery.
   _____ (a) True or (b) False

7. Dad said they could 'bump' the engine to test the primary electrical system.
   _____ (a) True or (b) False

8. The term "turn the engine" or "turn the engine over" refers to the crankshaft of the engine making a complete ***revolution***. _____ (a) True or (b) False

9. The shape of the engine block in the '57 Chevy was a: _____.
   (a) straight 8 (b) V-8 (c) V-6 (d) V-4

10. The reason for removing the ***spark plugs*** at this time and adding a bit of oil was to: _____.
    (a) increase compression (c) decrease compression and resistance
    (b) increase resistance (d) both a and b

11. Write the **Life Principle**: "_____ _____."

Name: _____ *Character and Skills for Home and Careers*

Chapter 1, Section 2

Date: _____ Grade: _____



Automotive

Promises and Hard Work

ACTIVITIES
Lesson 7

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. James' father reminded James to: _____.
   (a) take Mr. Crenshaw shopping (c) play dominoes with Mr. Crenshaw
   (b) visit his grandfather (d) keep his promise to Mr. Crenshaw

2. James and his dad went to the _____ before stopping at the auto parts store.

3. List the items that were purchased at the auto parts store.
   (a) _____
   (b) _____
   (c) _____
   (d) _____

4. The ***oil filter*** was removed with a crescent wrench. _____
   (a) True or (b) False

5. The oil was poured into the engine through the _____.

6. The ***compression tester*** was needed to determine: _____.
   (a) if all the cylinders had holes
   (b) if all cylinders had adequate pressure
   (c) if all cylinders were close to the same pressure
   (d) only b and c

7. Dad recorded the amount of _____ each ***cylinder*** had.

8. For this car, the spark plug ***air gap*** was set at _____.

9. A ***piston*** is held in place in a ***cylinder***. Inside the cylinder, the piston: _____.
   (a) moves at right angles (c) moves up and down
   (b) rotates around and around (d) revolves at 60 revolutions per minute

10. Explosive energy is produced by compressed fuel and air ignited by the spark plugs. _____ (a) True or (b) False

11. The ***crankshaft*** turns _____ power into _____ power.

12. In all, James' dad installed 6 spark plugs. _____ (a) True or (b) False

13. Write the **Life Principle**: "_____."

Name: _____ *Character and Skills for Home and Careers*

Chapter 1, Section 2

Date: _____ Grade: _____



Automotive

Getting Fired Up

ACTIVITIES
Lesson 8

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. What four things did James' dad say were necessary for an engine to run?
   (a) _____ (c) _____
   (b) _____ (d) _____
2. What did James check on the lawn mower?
   (a) _____ (b) _____ (c) _____
3. What was the problem with the lawn mower? _____
4. The purpose of the fuel ***filter*** is to: _____.
   (a) stop the flow of gasoline (c) ensure clean fuel
   (b) add air to the fuel (d) provide pressure to the fuel.
5. What kind of a wrench did James use to loosen the fuel filter nut? _____
   _____
   (a) an oil filter wrench (c) a ½ inch socket wrench
   (b) a ⅞ inch socket wrench (d) a ⅞ inch open-end wrench
6. James left the old filter in the fuel filter casing. _____ (a) True or (b) False
7. A ***pump*** is a device that moves fluids from one place to another. _____
   (a) True or (b) False
8. Dad ***primed*** the engine with: _____.
   (a) gasoline (b) the air filter (c) the fuel pump (d) a spray lubricant
9. When a vehicle ***idles***, it is: _____.
   (a) traveling (b) not working (c) running but not traveling (d) being towed
10. James turned off the engine to prevent overheating. _____ (a) True or (b) False
11. Write the **Life Principle**: "_____
    _____."

Name: _____ *Character and Skills for Home and Careers*

Chapter 1, Section 2

Date: _____ Grade: _____



Automotive

Belts and Confidence

ACTIVITIES
Lesson 9

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. Putting on his belt reminded James that he needed to: _____.
   (a) grow taller (c) install belts on his car
   (b) take off his hat (d) tighten the belts on his car

2. James' dad took James to get the ***belt***: _____.
   (a) before work (c) from Mr. Crenshaw
   (b) after work (d) the next day

3. On a car, a _____ is a thick band used for transferring motion from one _____ to another.

4. James, Mr. Jones, and James' dad found the right ***belt:*** _____ _____.
   (a) by checking its number in the parts book
   (b) by waiting until after the garbage truck left
   (c) by measuring the old one
   (d) by paying five dollars for it

5. James had learned from experience that much of being successful comes from _____ and _____.

6. James' preparations to install the belt reflected order and preciseness. _____
   (a) True or (b) False

7. James used _____ to install the belt.
   (a) his past knowledge (c) the instructions in the manual
   (b) his reading ability (d) both b and c

8. James used the _____ as a point of ***reference*** on the engine.

9. The fan activated the _____ which was located behind the fan.

10. The _____ drives the belt that moves both the water pump and generator.

11. The ***crankshaft pulley*** is located on top of the engine. _____
    (a) True or (b) False

12. James could not install the belt at first because: _____.
    (a) it was too old and snapped
    (b) it was too long
    (c) it was too short
    (d) it was the wrong belt

13. James solved the problem by using a _____ wrench to loosen the generator ***bracket***.

14. Describe how loosening the bracket helped to solve the problem of the belt being too short. _____
    _____
    _____

15. James used a long handled screw driver to help _____.

16. Next, he secured the belt ***tension*** by _____ on the generator holding bracket.

17. James was so focused on installing the belt that he worked through _____ without even realizing it.
    (a) breakfast (c) supper
    (b) lunch (d) basketball practice

18. Write the **Life Principle**: "_____
    _____."



Automotive

ACTIVITIES
Lesson 10

In Hot Water

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. When Dad suggested making a list of needed parts, he and James had just finished: _____.
   (a) watching a television. program
   (b) listening to the radio
   (c) passing the auto parts store
   (d) walking out to the Chevy

2. Dad thought that not many parts would be needed to overhaul the cooling system. _____ (a) True or (b) False

3. The approximate cost of the required parts was: _____.
   (a) $100.00
   (b) $10.00
   (c) $50.00
   (d) $200.00

4. Dad said that because the radiator already had been ***reconditioned,*** they would not need to replace any of the hoses. _____
   (a) True or (b) False

5. James ***lubricated*** the connections with: _____.
   (a) oil
   (b) soapy water
   (c) alcohol
   (d) his mom's hand lotion

6. James tightened the worm drive clamps with a _____.

7. The chemical ***flush*** Dad used was mixed with _____ in the radiator.

8. Dad told James to crank the engine to: _____.
   (a) check for squeaks
   (b) remove any rats' nests
   (c) test the piston compression
   (d) check for radiator leaks

9. James let the engine run for about 25 minutes to allow the flushing agent to clean the radiator and the inside of the engine. _____
   (a) True or (b) False

10. The next step was to: _____.
    (a) reflush the system
    (b) retighten the radiator drain valve
    (c) drain the flushing agents
    (d) pour antifreeze into the radiator

11. James poured _____ of ***antifreeze*** into the radiator.
    (a) 1 pint (c) 1 gallon
    (b) 1 quart (d) 1 tablespoonful

12. Antifreeze is added to radiators: _____.
    (a) to keep the radiator warm
    (b) to keep the engine from freezing
    (c) to lubricate the radiator hoses
    (d) to flush and clean the system

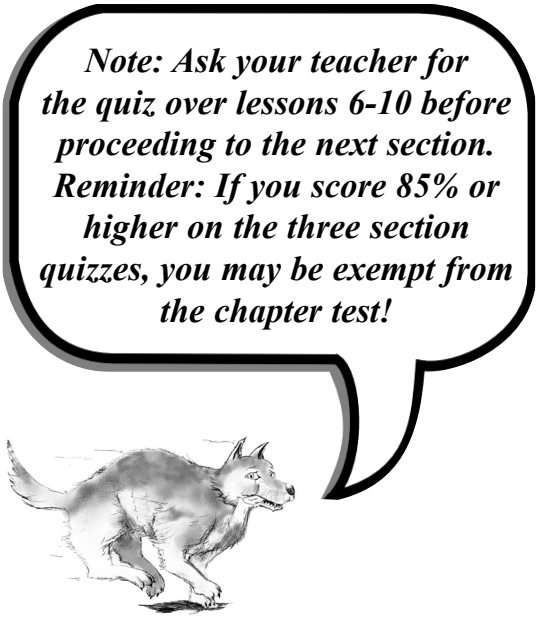
13. Two conditions that can crack an engine are _____ (due to cold temperatures and no antifreeze) and _____(due to running the engine without water to cool it).

14. After spray cleaning the _____ and replacing the _____, the chevy's engine "purred" nicely.

15. An air filter cleans the air a car uses. _____
    (a) True or (b) False

16. Write the **Life Principle**: "_____ _____."

Complete the Hands on Practical Application projects on the following page.



Warning

Students under the age of 18 should not attempt projects described in this course without supervision by a competent adult.

Hands On Practical Application

These are OPTIONAL PRACTICAL PROJECTS to be conducted under direct supervision of the teacher while manipulating tools and equipment included in this section. (No Answers in Key)

Check each item that is identified or demonstrated.

1. Student identifies various items under the hood including:
   - ____ radiator
   - ____ radiator cap
   - ____ belts
   - ____ generator
   - ____ alternator
   - ____ radiator cooling fans
   - ____ heater hoses
   - ____ radiator hoses

2. Student demonstrates how to change a battery safely by connecting the posts (negative and positive) to the correct cables.

_____

(Teacher's signature)

Name: _____ *Character and Skills for Home and Careers*

Chapter 1, Section 3

Date: _____ Grade: _____



Automotive

Slicking Things Up

ACTIVITIES
Lesson 11

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. Dad thought that the car only needed a running engine to be street-worthy. _____
   (a) True or (b) False

2. Dad informed James that the entire _____ needed to be checked.

3. The parts of the *drive train* are:
   (a) _____
   (b) _____
   (c) _____
   (d) _____

4. ***Brakes*** slow or stop a vehicle by means of controlled friction. _____
   (a) True or (b) False

5. The items purchased at the auto parts store included:
   (a) _____
   (b) _____
   (c) _____

6. Dad removed the ***transmission*** drain _____ to remove the old, gummy _____ from the transmission.

7. Dad removed the transmission filler plug to pour in the new, 90-weight _____.

8. The instrument Dad used to grease the ***U-joints*** was a(n): _____.
   (a) socket wrench (c) oil filler syringe
   (b) grease gun (d) open-end wrench

9. The material used to lubricate the U-joints was _____.

10. The vehicle had both a _____ and _____ U-joint.

11. Dad used _____ oil to fill the differential.

12. Write the **Life Principle**: "_____
    _____
    _____."

Name: _____ *Character and Skills for Home and Careers*

Chapter 1, Section 3

Date: _____ Grade: _____



Automotive

ACTIVITIES
Lesson 12

Putting On The Brakes

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. James was instructed to remove all four _____ plus the _____ ***drums***.

2. In order to remove the front brake drums, they first had to remove a _____ from the axle and a large _____ from the ***spindle***.

3. What slid off easily once the brake shoes were loosened? _____
(a) brake drum (b) hub (c) wheel bearings (d) all of these

4. Dad told James to wash off all grease from the hub and bearings with hot, soapy water. _____ (a) True or (b) False

5. Brake shoes are part of the brake system that have to be replaced periodically because they wear away with use. _____ (a) True or (b) False

6. In addition to ***wheel bearing grease***, what was purchased at the auto parts store? _____
(a) front and rear brake shoes (c) all of these
(b) brake fluid (d) none of these

7. James used a 9/16 socket to remove the brake shoes. _____
(a) True or (b) False

8. James packed the wheel bearings with _____.

9. Dad needed to "***bleed***" the brakes in order to _____.

10. The master cylinder holds _____ for the rest of the brake system.

11. James noticed that when he pumped the brake pedal with air in the lines, the brake pedal felt _____ and went nearly to the _____.

12. How did James decide when the brakes were safe? _____
_____
_____

13. Write the **Life Principle**: "_____."



Automotive

Checking It Out

ACTIVITIES
Lesson 13

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. Oil needs to be added to a car: _____
   _____.
   (a) when you have driven the car 100 miles
   (b) each time that you fill the car with gasoline
   (c) when the oil level is below the "Add" line on the dipstick
   (d) when the oil level is above the "Add" line on the dipstick

2. Dad needed to have the car ***idle*** so he could determine how the ***choke*** worked. _____
   (a) True or (b) False

3. The flat piece of metal that moves inside the carburetor is called a _____.

4. The Chevy's light dimmer switch was located on the steering column. _____
   (a) True or (b) False

5. _____ are designed to inform other drivers of your intent to turn right or left or from one road to another.

6. List the various lights and light switches that James' dad evaluated in order to be sure that the car would pass inspection:
   (a) _____ (d) _____
   (b) _____ (e) _____
   (c) _____ (f) _____

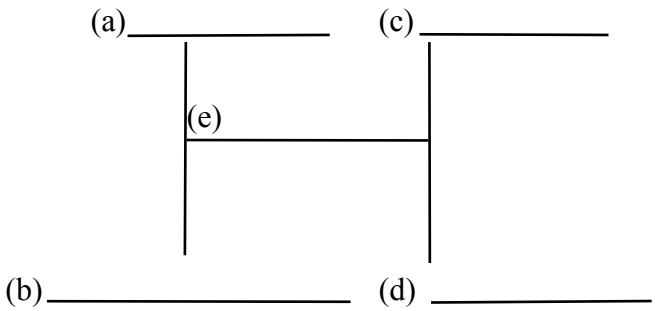
7. Dad yelled "Stop!" to James to: _____.
   (a) test the brake lights
   (b) let him know that the car was moving
   (c) test the brakes
   (d) make sure that James could hear

8. Dad could tell the _____ were working because they flashed bright red when the _____ was applied.

9. Dad explained that old style windshield wipers operated by means of a vacuum system, but modern wipers operate by _____.

10. The stick shift pattern of the standard transmission had a(n) _____ pattern.

11. Label the five shifting positions below:



12. Each vehicle has a VIN which is an abbreviation for the _____ _____ which is used to register the car.

13. Write the **Life Principle**: "_____."



Automotive

Cooperation On The Job

ACTIVITIES
Lesson 14

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. Dad told James not to worry; that they would _____ the Chevy when he got back from Mr. Crenshaw's house.

2. What three jobs did James perform at Mr. Crenshaw's?
   (a) _____
   (b) _____
   (c) _____

3. What did James find in the ***bonus*** box that Mr. Crenshaw gave him?
   (a) _____
   (b) _____

4. In addition to ***chrome polish***, ***rubbing compound*** and ***wax***, what did Dad pull out from the bed of the pickup? (a) _____;
   (b) _____; (c) _____;
   (d) _____

5. James' mom had made: _____.
   (a) fried chicken (b) seat covers (c) ice cream (d) a steering wheel cover

6. The _____ was used to remove old paint residue.

7. _____ was applied last to make the Chevy's exterior shine.

8. Dad and Manuel waxed the car. _____ (a) True or (b) False

9. Dad and Mom mainly undertook:_____.
   (a) washing and waxing (c) removing old paint residue
   (b) vacuuming and waxing (d) installing seat covers

10. What tasks did James undertake? (a) _____;
    (b) _____;
    (c) _____;
    (d) _____;
    (e) _____

11. Dad installed the _____ and _____ that Mr. Crenshaw had given to James.

12. Write the **Life Principle**: "_____
    _____."

Name: _____ *Character and Skills for Home and Careers*

Chapter 1, Section 3

Date: _____ Grade: _____



Automotive

ACTIVITIES
Lesson 15

Test Drive

You are making progress! ***Answer the following questions. Circle the correct answers or fill in the blanks with words, letters or numbers as each question indicates. Check your answers from the Answer Key. Correct all errors, then complete your next goal.***

1. James and his mom went to the: _____.
   (a) grocery store (b) auto parts store (c) Department of Public Safety (d) bank

2. A ***driver's license*** is proof of a person's _____
   on _____.

3. James' driver's test consisted of two parts: (a) _____;
   (b) _____

4. Mom had to provide proof of _____ for the car.

5. James was so nervous during his road test with the officer, he barely passed the test.
   _____ (a) True or (b) False

6. Dad brought home new _____ to be installed on the car.

7. The purpose of license plates is vehicle identification. _____
   (a) True or (b) False

8. What else did Dad do on his way home? _____
   _____.

9. Dad and James took the car to the Auto Service Center to be _____
   according to official standards.
   (a) washed (b) inspected (c) greased (d) overhauled

10. James' mom scolded himfor not wearing his seat belt. _____
    (a) True or (b) False

11. James acted like a ***chauffeur*** when he opened the door for Mr. Crenshaw.
    _____ (a) True or (b) False

12. James admitted to Mr. Crenshaw that he had not enjoyed working on the car.
    _____ (a) True or (b) False

13. John, Manuel, and La Shonda each took the Chevy for a drive around the block.
    _____ (a) True or (b) False

14. Write the **Life Principle**: "_____
    _____."

Warning

Students under the age of 18 should not attempt projects described in this course without supervision by a competent adult.

Hands On Practical Application

These are OPTIONAL PRACTICAL PROJECTS to be conducted under direct supervision of the teacher while manipulating tools and equipment included in this section. (No Answers in Key)

Check each item that is identified or demonstrated.

1. Student identifies items inside the car used to manipulate the car while driving:
   ____ gear shift
   ____ clutch pedal
   ____ brake pedal
   ____ steering wheel
   ____ emergency brake
   ____ signal light switch
   ____ emergency flasher switch
   ____ headlight switch
   ____ windshield wiper switch
   ____ mirror adjustment controls
   ____ heater/defroster controls
2. Student demonstrates checking exterior lights on a vehicle to see if all are operating properly:
   ____ headlights
   ____ taillights
   ____ signal lights
   ____ emergency flashers
   ____ brake lights

Note: Ask your teacher for the quiz over lessons 11-15 before proceeding to the next section. Reminder: If you score 85% or higher on the three section quizzes, you may be exempt from the chapter test!