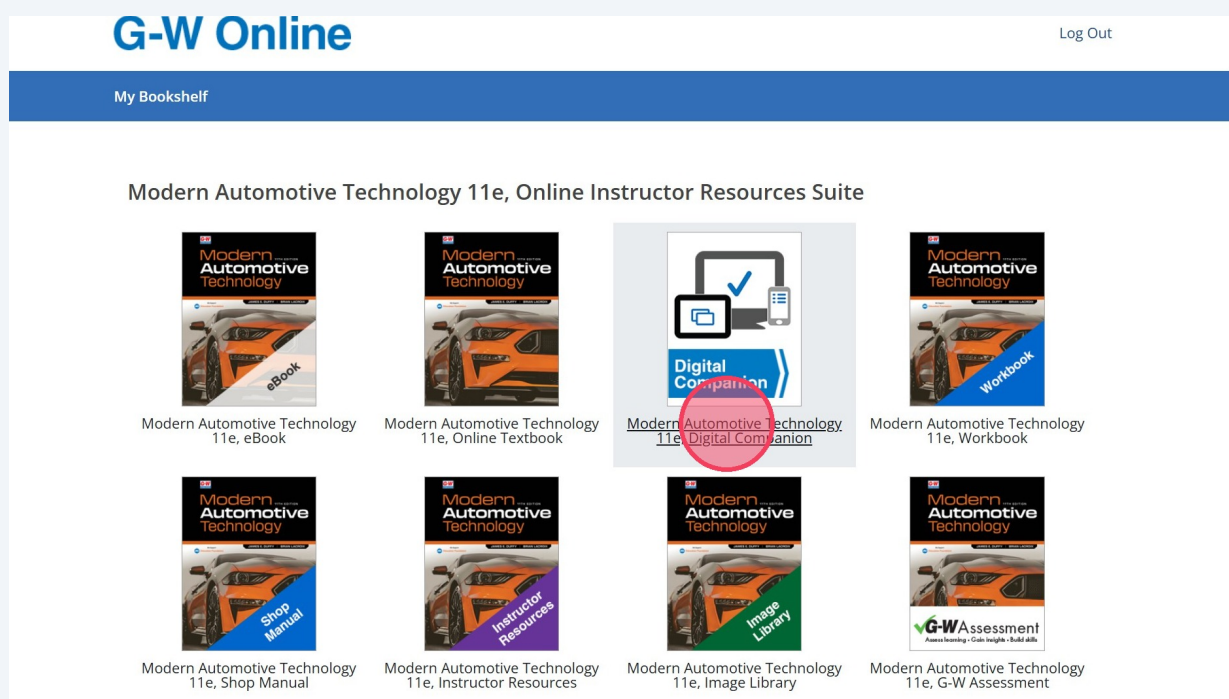


Navigating the Modern Automotive Technology, c2026, Digital Companion on G-W Online



- 1 Select the **Digital Companion** on your G-W Online Account.



2 Select the **Interactive Glossary** to view the terms in this product.



Modern Automotive Technology 11e, Digital Companion

[Collapse All](#)

Interactive Glossary

1 The Automobile ▼

- E-Flash Cards
- Matching Activity
- Vocabulary Game
- Figure 1-2 – General Location of Major Vehicle Systems
- Figure 1-9 – Major Parts of an Engine (Front View)
- Figure 1-10 – Basic Engine Ignition and Fuel Systems
- Review (DOCX, 114 KB)

2 Auto Shop Safety ▼

- E-Flash Cards
- Matching Activity
- Vocabulary Game
- Review (DOCX, 38 KB)

3 Users may choose to view the list in alphabetical order.

All Terms

Select Chapter ▼

[View All](#)

12-volt battery ▶

12-volt starting system ▶

ABS control module ▶

ABS hydraulic modulator ▶

ABS warning light ▶

absorbed glass mat battery ▶

ac generator ▶

acceleration sensor ▶

accelerator pedal sensor ▶

accelerometer ▶

accessory system ▶

accumulator ▶

accumulator valve ▶

acid-core solder ▶

acronym ▶

active parking assistance system ▶

active restraint system ▶

active sensor ▶

4

Or they may select a specific chapter to view the terms and definitions specifically in that chapter.

3: Basic Hand Tools

3: Basic Hand Tools

[View All](#)

[Allen drive ▶](#)

[ball peen hammer ▶](#)

[breaker bar ▶](#)

[C-clamp ▶](#)

[chisel ▶](#)

[dead blow hammer ▶](#)

[extension ▶](#)

[file ▶](#)

[hacksaw ▶](#)

[impact socket ▶](#)

[pickup tool ▶](#)

[pliers ▶](#)

[pry bar ▶](#)

[puller ▶](#)

[punch ▶](#)

[ratchet ▶](#)

[rubber mallet ▶](#)

[scratch awl ▶](#)

5

To view the definitions of each term, click on the link to reveal its definition.

3: Basic Hand Tools

3: Basic Hand Tools

[View All](#)

[Allen drive ▶](#)

[ball peen hammer ▶](#)

[breaker bar ▶](#)

[C-clamp ▶](#)

[chisel ▶](#)

[dead blow hammer ▶](#)

[extension ▶](#)

[file ▶](#)

[hacksaw ▶](#)

[impact socket ▶](#)

[pickup tool ▶](#)

[pliers ▶](#)

[pry bar ▶](#)

[puller ▶](#)

[punch ▶](#)

[ratchet ▶](#)

[rubber mallet ▶](#)

[scratch awl ▶](#)

6

Each chapter comes with a set of E-Flash Cards. Select the **E-Flash Cards** link to practice this activity.



Modern Automotive Technology 11e, Digital Companion

[Collapse All](#)

Interactive Glossary

1 The Automobile ▼

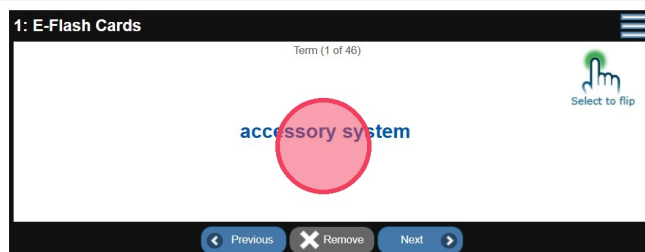
[E-Flash Cards](#)
[Matching Activity](#)
[Vocabulary Game](#)
[Figure 1-2 - General Location of Major Vehicle Systems](#)
[Figure 1-9 - Major Parts of an Engine \(Front View\)](#)
[Figure 1-10 - Basic Engine Ignition and Fuel Systems](#)
[Review \(DOCX, 114 KB\)](#)

2 Auto Shop Safety ▼

[E-Flash Cards](#)
[Matching Activity](#)
[Vocabulary Game](#)
[Review \(DOCX, 38 KB\)](#)

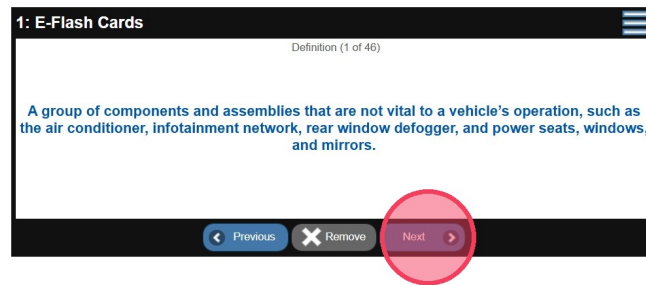
7

A vocabulary term will display on the E-Flash Card. Guess the definition of that term and select the card to flip it and see if you were right.



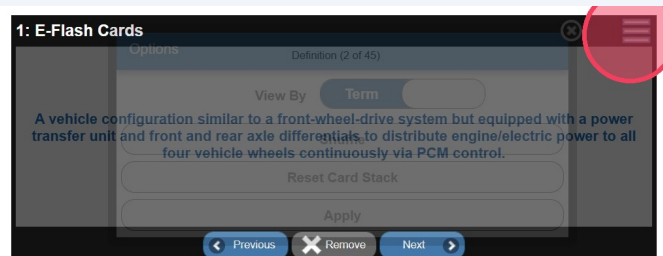
8

You may select the "**Next**" button to move forward or "**Previous**" button to go back.



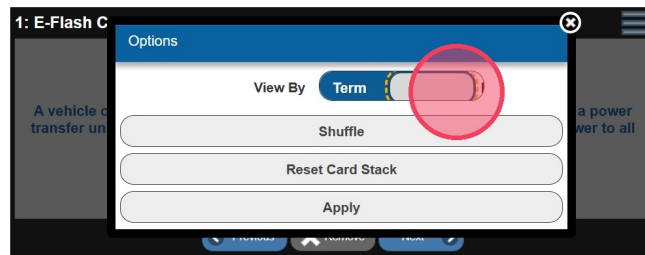
9

Select the menu button in the upper right hand of the E-Flash Card to reveal additional tools.



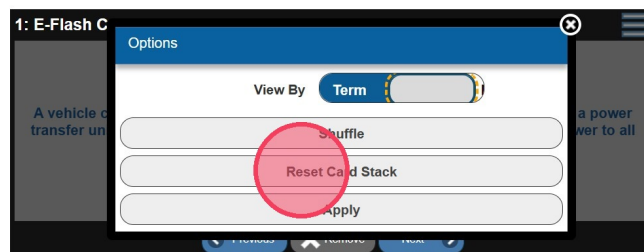
10

You may choose to view the E-Flash Cards by term or definition. You may also select the Shuffle button to shuffle the terms in the deck and then select **Apply**.



11

Lastly, you may select **Reset Card Stack** when you are ready to go back to the Default settings.



12

The next self-assessment activity you'll find in each chapter is the Matching Activity. Select the **Matching Activity** link to learn more.



Modern Automotive Technology 11e, Digital Companion

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Interactive Glossary

1 The Automobile ▼

- E-Flash Cards
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- Figure 1-2 – General Location of Major Vehicle Systems
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2 Auto Shop Safety ▼

- E-Flash Cards
- Matching Activity**
- Vocabulary Game
- Review (DOCX, 38 KB)

3 Basic Hand Tools ▼

13

Enter a few letters to give it a try and **Check Answers** by selecting the blue button at the bottom of the activity.

1: Matching Activity

Match the term with the correct definition.

- | | |
|--|---|
| <input checked="" type="checkbox"/> assembly | A. The Environmental Protection Agency (EPA) numerical test rating for the distance a vehicle can travel on one gallon of fuel. |
| <input type="checkbox"/> body | B. A set of fitted parts designed to complete a specific task. |
| <input type="checkbox"/> brake system | C. The distance between the centerlines of the two wheels on the same axle (right and left front wheels or left and right rear wheels). |
| <input checked="" type="checkbox"/> engine | D. A group of related parts and assemblies designed to work together to perform a specific function. |
| <input type="checkbox"/> exhaust system | E. A group of components and assemblies that work together to produce friction to slow and/or stop a vehicle. |
| <input checked="" type="checkbox"/> fuel efficiency | F. A group of components and assemblies that quiet and route the engine's combustion waste gases through metal tubing to the rear of a vehicle. |
| <input type="checkbox"/> lighting system | G. The distance from the ground to the highest point on a vehicle roofline. |
| <input checked="" type="checkbox"/> multicylinder engine | H. A vehicle configuration in which the drive wheels are located on the back axle of the vehicle, with the engine positioned at the front of the vehicle. |
| <input type="checkbox"/> part | I. The most basic type of removable item on a vehicle, meaning that it cannot be further disassembled. It is also referred to as a component. |
| <input type="checkbox"/> rear-wheel drive (RWD) | J. A group of components and assemblies that let the driver change the direction of the vehicle by turning the wheels left or right. |
| <input type="checkbox"/> steering system | K. A paneled structure constructed of steel, aluminum, fiberglass, plastic, and/or composite materials that forms the outside of a vehicle. |
| <input type="checkbox"/> system | L. An engine that has more than one piston and cylinder. |
| <input type="checkbox"/> track width | M. A machine that converts energy into useful mechanical motion. |
| <input type="checkbox"/> vehicle height | N. A group of interior and exterior components and assemblies that provide illumination inside and outside of a vehicle. |
| <input type="checkbox"/> vehicle wheelbase | O. The distance from the vertical centerline of the front wheels to the vertical centerline of the rear wheels. |

[Check Answers](#)

14

The last self-assessment activity you'll find in each chapter is the **Vocabulary Game**. Select the link to practice this activity.



Modern Automotive Technology 11e, Digital Companion

[Collapse All](#)

Interactive Glossary

1 The Automobile ▼

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2 Auto Shop Safety ▼

- E-Flash Cards
- Matching Activity
- Vocabulary Game
- Review (DOCX, 38 KB)

3 Basic Hand Tools ▼

15

Select a point value

1: Vocabulary Game

Select a point value. Choose the term that matches the definition.

100	100	100	100
200	200	200	200
300	300	300	300
400	400	400	400

16 Select the answer you believe is correct

1: Vocabulary Game

Select a point value. Choose the term that matches the definition.

100	100	100	100
200	200	200	200
300	300	300	300
400	400	400	400

Definition: A term with its origin derived from Greek and French words, which when combined mean "self moving." Modern versions merge many facets of science, technology, engineering, and math in an efficient, safe, and reliable means of transportation.

☐ fuel system
☐ air-fuel ratio
☐ crossover utility vehicle (XUV)
☐ automobile

Check Answer

17 Select **Check Answer** to reveal the correct answer.

1: vocabulary Game

Select a point value. Choose the term that matches the definition.

Score: -300

100	100	100	100
200	200	200	200
300	300	✗ -300	300
400	400	400	400

Definition: A term with its origin derived from Greek and French words, which when combined mean "self moving." Modern versions merge many facets of science, technology, engineering, and math in an efficient, safe, and reliable means of transportation.

☐ fuel system
☒ ~~air-fuel ratio~~
☐ crossover utility vehicle (XUV)
☒ automobile

Check Answer

18

Some chapters come with other Interactive Activities including Identification Activities. Select a link that has "Figure" in the name to learn more.


[Collapse All](#)

Interactive Glossary

1 The Automobile ▼

- E-Flash Cards
- Matching Activity
- Vocabulary Game
- [Figure 1-2 – General Location of Major Vehicle Systems](#)
- [Figure 1-9 – Major Parts of an Engine \(Front View\)](#)
- [Figure 1-10 – Basic Engine Ignition and Fuel Systems](#)
- [Review](#) (DOCX, 114 KB)

2 Auto Shop Safety ▼

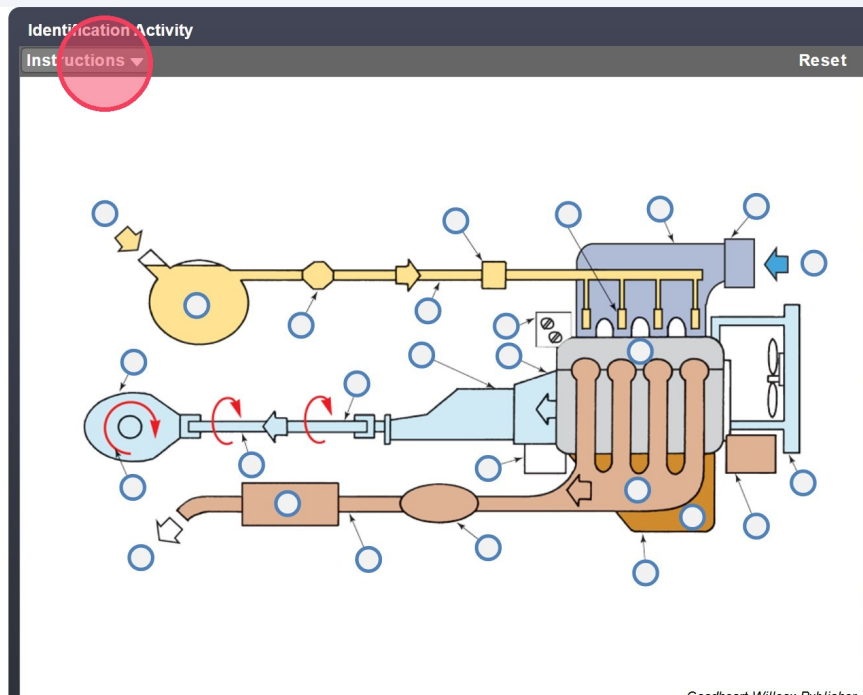
- E-Flash Cards
- Matching Activity
- Vocabulary Game
- [Review](#) (DOCX, 38 KB)

3 Basic Hand Tools ▼

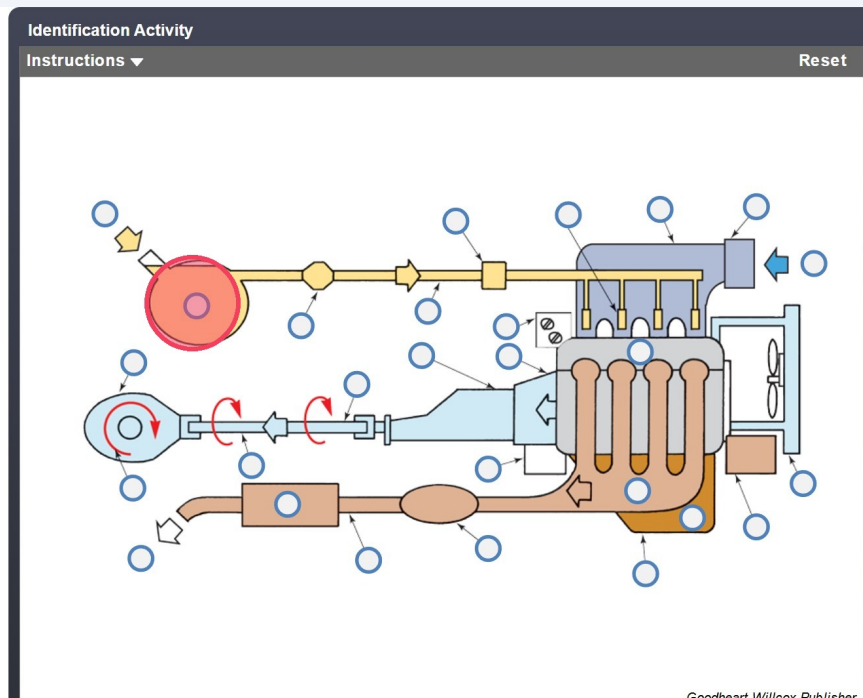
- E-Flash Cards
- Matching Activity
- Vocabulary Game
- [Figure 3-13 – Basic Types of Pliers](#)
- [Review](#) (DOCX, 39 KB)

19

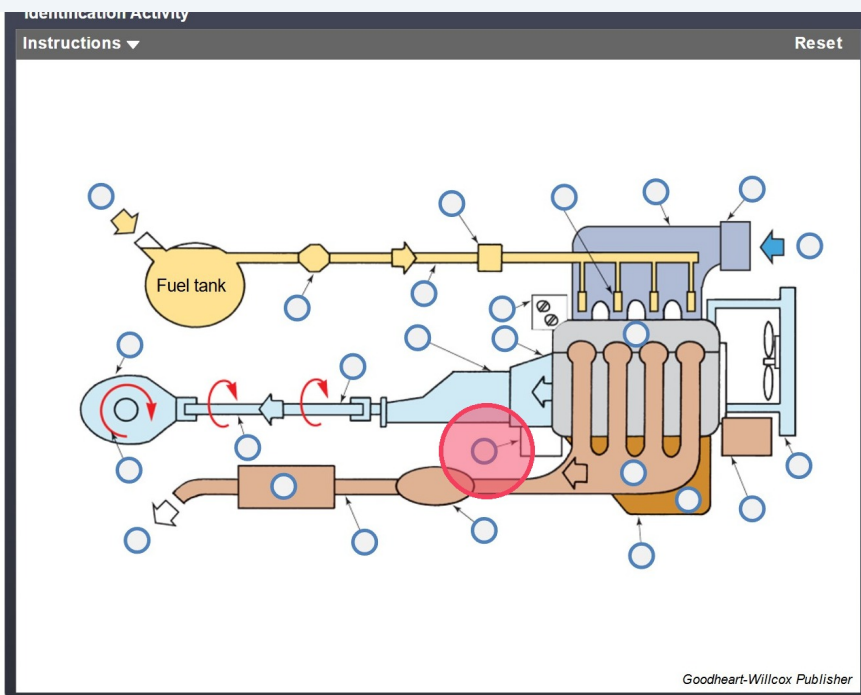
You may read the instructions



20 Then select a button to learn that specific part.

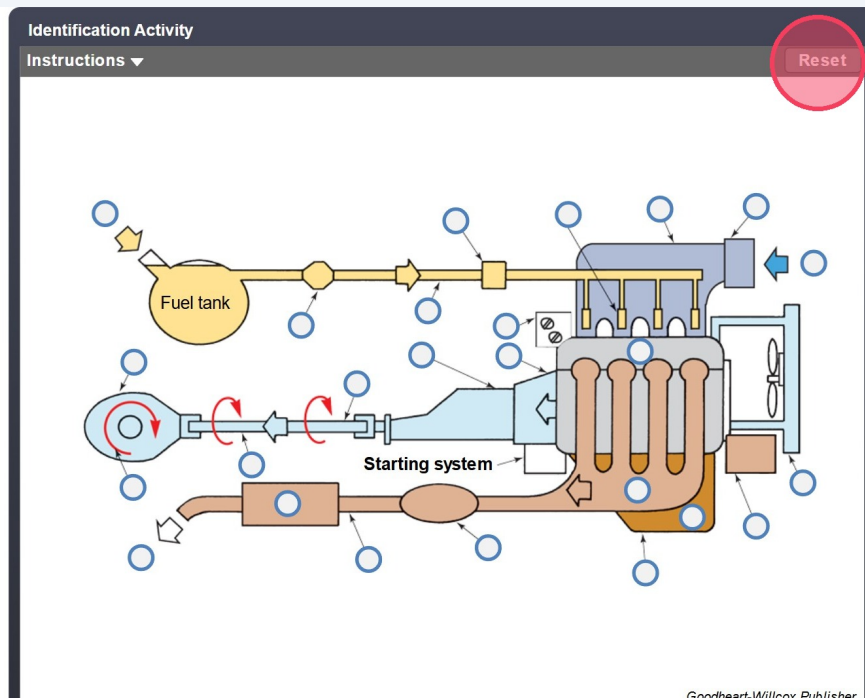


21 You may continue selecting buttons to reveal each term.



22

If you'd like to start the activity again, you may select **Reset** in the upper right of the activity.



23

Another type of Interactive Activity you'll find is called a **Drag and Drop Activity**.


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Interactive Glossary

1 The Automobile ▼

- E-Flash Cards
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- Figure 1-10 - Basic Engine Ignition and Fuel Systems
- Review (DOCX, 114 KB)

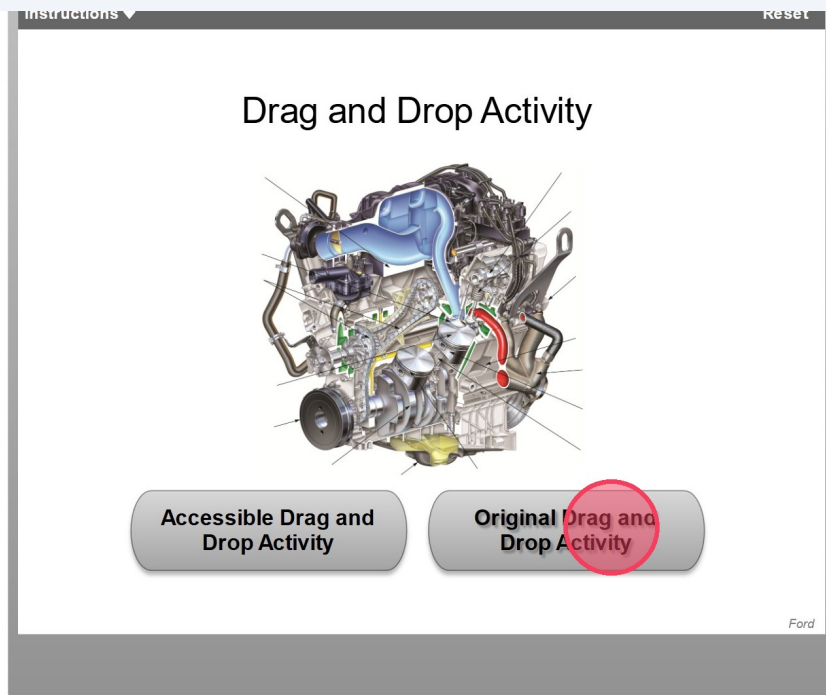
2 Auto Shop Safety ▼

- E-Flash Cards
- Matching Activity
- Vocabulary Game
- Review (DOCX, 38 KB)

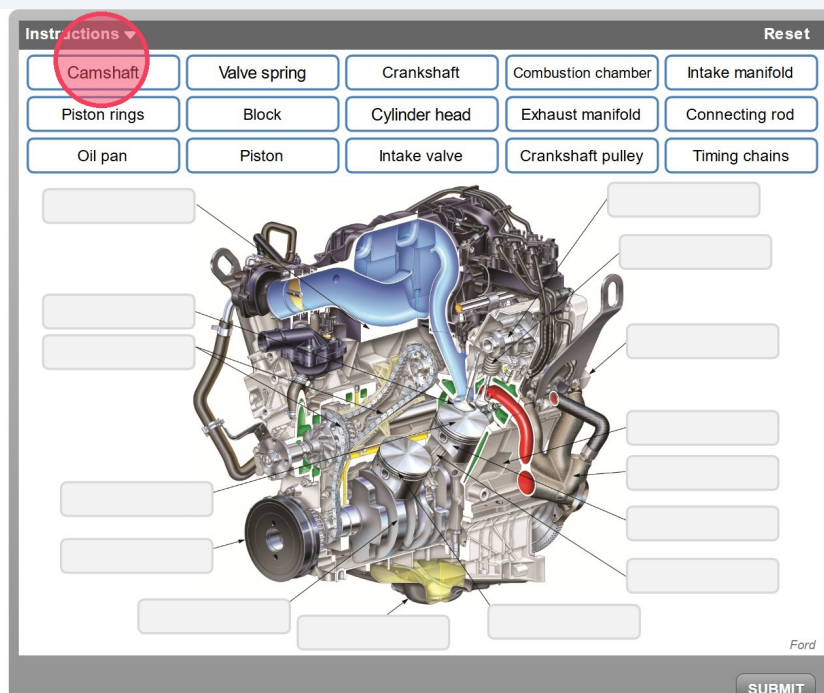
3 Basic Hand Tools ▼

- E-Flash Cards
- Matching Activity
- Vocabulary Game
- Figure 3-13 - Basic Types of Pliers
- Review (DOCX, 39 KB)

- 24 Users may select the Original Drag and Drop Activity or an Accessible version.

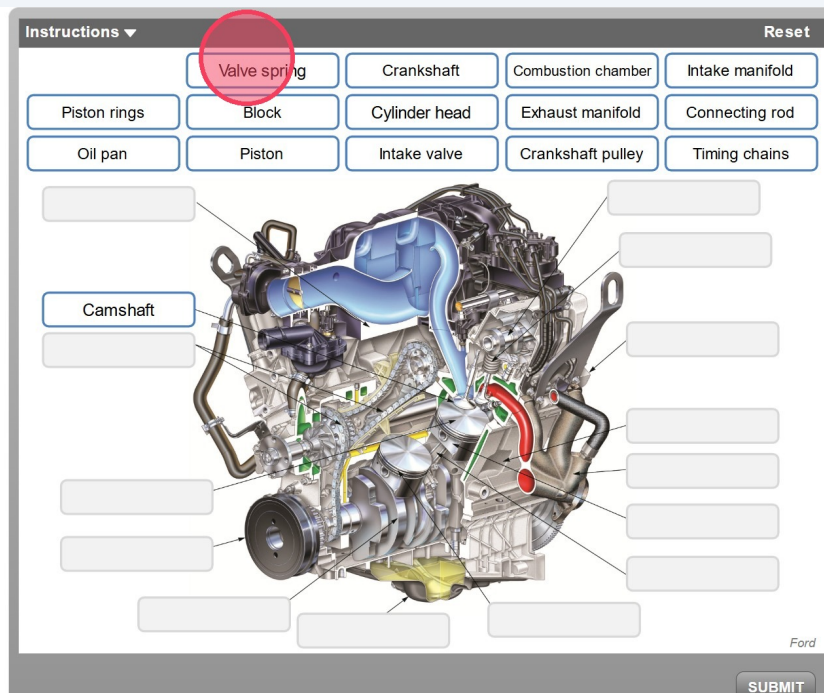


- 25 Select a term and drag it to its respective location on the figure shown.



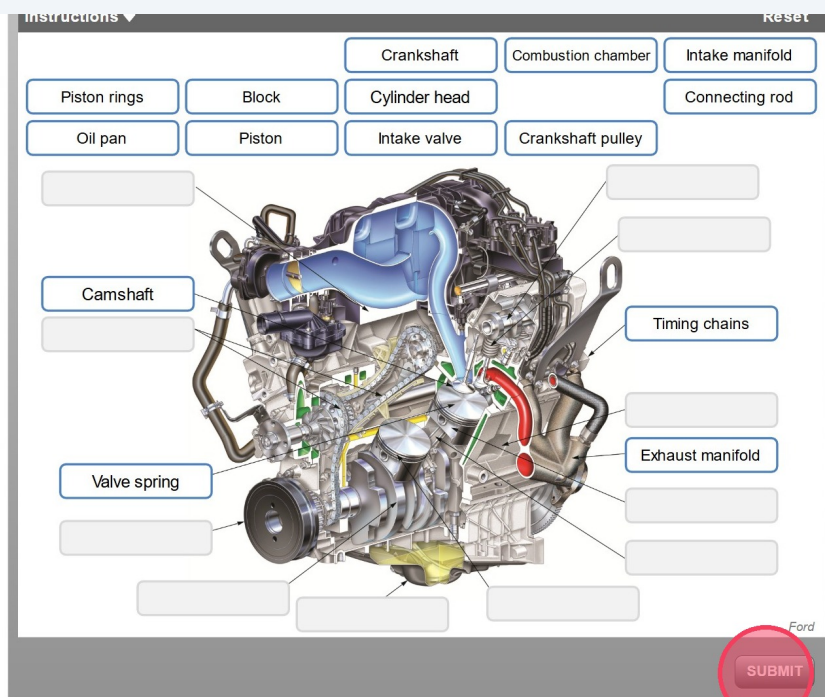
26

Repeat this process until all terms have been moved to the appropriate part of the figure.



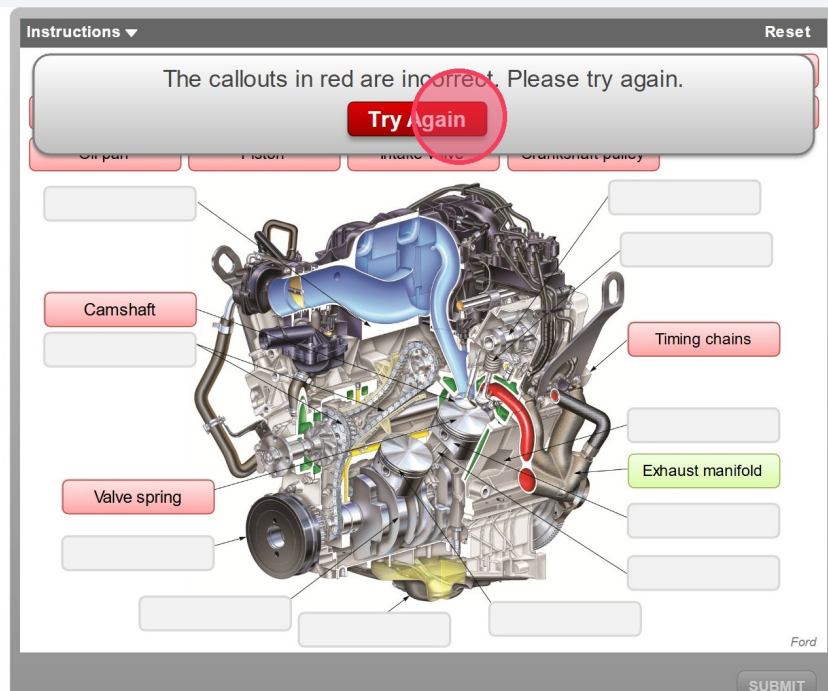
27

Once you are ready to check your work, select the **Submit** button on the bottom right of the figure.



28

You'll notice the callouts in red are incorrect while the terms in green are correct. You may Try Again or select Reset.



29

The last activity you'll find in each chapter of the Digital Companion is the **Review** assignments.


[Collapse All](#)

Interactive Glossary

1 The Automobile ▼

- [E-Flash Cards](#)
- [Matching Activity](#)
- [Vocabulary Game](#)
- [Figure 1-2 - General Location of Major Vehicle Systems](#)
- [Figure 1-9 - Major Parts of an Engine \(Front View\)](#)
- [Figure 1-10 - Basic Engine Ignition and Fuel Systems](#)
- [Review \(DOCX, 114 KB\)](#)

2 Auto-shop Safety ▼

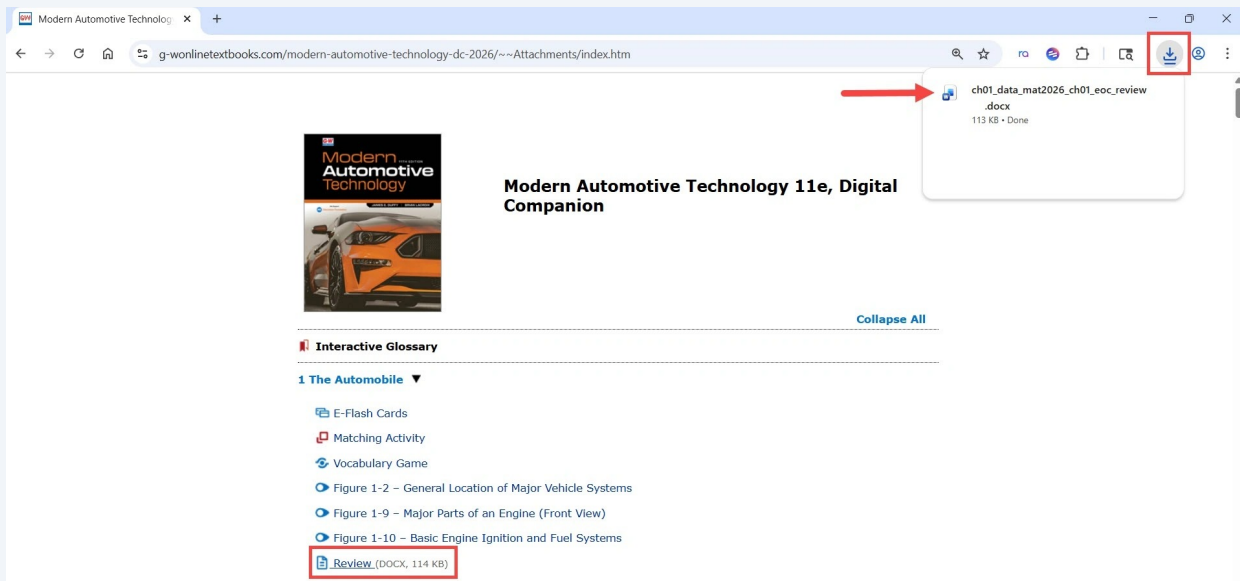
- [E-Flash Cards](#)
- [Matching Activity](#)
- [Vocabulary Game](#)
- [Review \(DOCX, 38 KB\)](#)

3 Basic Hand Tools ▼

- [E-Flash Cards](#)
- [Matching Activity](#)
- [Vocabulary Game](#)
- [Figure 3-13 - Basic Types of Pliers](#)
- [Review \(DOCX, 39 KB\)](#)

30

Once the Review link has been selected, the docx file will automatically download to your **Downloads** folder or other default location depending on your device.



31

Once you find the downloaded file, you may open it to view its contents and either print it or assign to your students digitally in your school's platform.

ch01_data_mat2026_ch01_eoc_review (4) • Saved to this PC

Search

File Home Insert Draw Design Layout References Mailings Review View Help Acrobat

Clipboard Font Paragraph Styles Editing Adobe Acrobat

Modern Automotive Technology 11e: Chapter 1 Review

Name:
Date:
Class:

Chapter 1: The Automobile

Know and Understand

Answer the following questions using the information provided in this chapter.

- What is an automotive system? (1.1)
 - A strong metal structure to which assemblies and parts are mounted.
 - A set of fitted parts that performs a specific task.
 - A group of related components and assemblies that performs a specific function.
 - All are correct.

Answer:
- Which parts are typically *not* included when referencing a vehicle's chassis? (1.1)
 - Suspension system.
 - Powertrain.
 - Body structure.
 - Steering system.

Answer:
- In ____ construction, multiple metal body panels are welded together to form the vehicle's body and frame. (1.2)