

Using information from the book, select an answer from the right and write the letter in the box beside the statement.

1.

Europeans developed a rocket called the Congreve that could travel distances up to this many feet.

A. 687

2.

The Falcon Heavy can generate this many million pounds of thrust at liftoff.

B. 39

3.

One year on Mars corresponds to this many Earth days

C. 17,000

4.

A rocket travels more than this many miles per hour to reach space from Earth.

D. 560,000

5.

The Atlas V rocket uses up to this many solid rocket boosters.

E. 5.1

6.

A Saturn V rocket could burn more than this many gallons of propellant during its first two to three minutes of flight.

F. 9,000

7.

The main rocket used by a space shuttle was as powerful as this many train engines

G. 5



Match the Rockets

Follow the instructions to complete the activity.

NAME

DATE

Using information found in the book, match the images of rockets to the descriptions found below.



1



2



3



4



5



A. Saturn V
363 feet (111 m)

B. N1
344 feet (105 m)

C. Ares I-X
327 feet (100 m)

D. Delta IV Heavy
235 feet (72 m)

E. Falcon Heavy
230 feet (70 m)



Using information found in the book, verify whether the following statements are true or false. Check your answers in the book. List the page number where you found the information beside your answer.

Statement 1 True False Page Number

A large rocket was used to help Americans land on the moon.

Statement 2 True False Page Number

The word rocket comes from an Italian word for a type of spinning cylinder.

Statement 3 True False Page Number

Long, thin rockets have more drag than short, thin rockets.

Statement 4 True False Page Number

Rockets carry fuel, as well as carbon monoxide to burn it.

Statement 5 True False Page Number

The pressure working against a rocket's direction is called drag.



Fill in the Blanks

Follow the instructions to complete the activity.

NAME

DATE

Fill in the blanks using the information found in the pages of *Rocket*.

1. Rockets are shaped like a at the top.
2. A rocket is the only that can travel to space.
3. Today, rockets can carry more fuel and travel longer distances than single-engine ones.
4. A may need more than one rocket to reach space.
5. There is no drag outside Earth's .



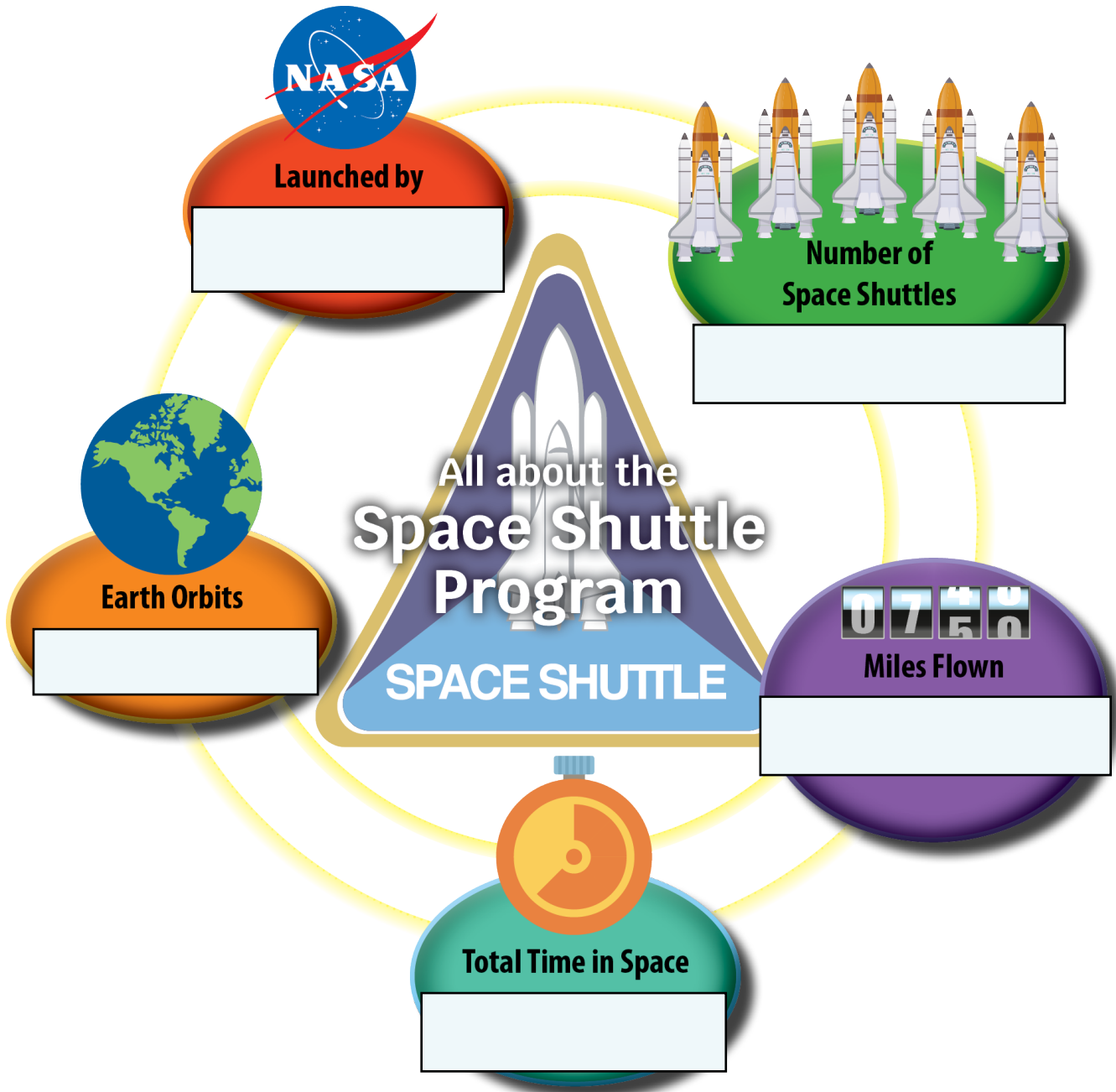
Label the Diagram

Follow the instructions to complete the activity.

NAME

DATE

Using information from the book, label the information about the Space Shuttle Program in the spaces below.



Rocket Quiz

Test your knowledge of astronauts by answering these questions.

NAME

DATE

1. Where were the first rockets made?
2. How long does it take a rocket to reach space?
3. How tall were Saturn V rockets?
4. Why is the top of a rocket shaped like a cone?
5. Which is the most powerful rocket currently in service?
6. How many moons does Mars have?
7. Why are liquid-propellant rockets best for space launches?
8. What organization launched the space shuttle program?



Key Words Match-Up

Write the words from the list below in the box above the correct definition for each word. Check your answers on page 23 of the book.

NAME

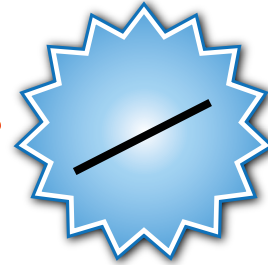
DATE

KEY WORDS

atmosphere
cargo
cylinder
engine
fuel

gravity
gunpowder
oxidizer
oxygen
propel

Your
Score is



=

%

- a material that is burned to produce energy
- the force by which an object draws objects toward its center
- a chemical that allows fuel to burn and produce energy
- a mixture of chemical substances that can produce explosions
- a mixture of chemical substances that can produce explosions
- an object with two flat, round ends connected by long, straight sides

- a machine that converts energy into motion
- the Sun and all the planets and other objects that travel around it
- a colorless, odorless, and tasteless gas used for respiration by organisms on Earth
- cause to move forward

