

# Rainbow Readers

## Title: Rockets to Space

### Word Study

Fill in the blanks using the words.

motion	orbit	invented	astronauts	fuel
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1. The motion of the boat on the waves made me feel sick.
2. Television was invented in the 1920s.
3. Astronauts must be trained to survive in space.
4. Earth takes 365 days to orbit the sun.
5. Scientists are trying to create cheaper, cleaner fuel for cars.

## Reading Comprehension

### A. Circle T for true or F for false.

1. The first rockets were made in 1232. T / F
2. Isaac Newton designed a new type of rocket. T / F
3. In modern rockets, two types of liquid fuel are mixed. T / F
4. The inventor of the V2 also worked on the first American satellite. T / F
5. NASA was created in the 1960s. T / F

### B. Circle the correct word(s).

1. The first rockets were made using (all the Laws of Motion / the Action-Reaction Law).
2. A Russian (teacher / engineer) first wrote about using liquid rocket fuel.
3. (Germany / Great Britain) created the V2 rocket.
4. (Robert Goddard / Yuri Gagarin) was the first man in space.
5. Columbia (took off / landed) like an airplane.

### C. Choose the best answer.

1. Which is NOT true about the first rockets used as weapons?

- a. They were made by the Chinese.
- b. They were made from fireworks.
- c. They did a lot of damage.
- d. They were frightening.

2. Which is true about the Laws of Motion?

- a. They were developed by Newton.
- b. They were discovered in the 1500s.
- c. They are no longer used by rocket scientists.
- d. There are two of them.

3. What do metal triangles on the ends of a rocket do?

- a. Make it fly faster
- b. Make it go higher
- c. Make it fall
- d. Make it spin

4. The first thing put into space by a rocket was \_\_\_\_\_.

- a. *Sputnik*
- b. The V2
- c. A capsule
- d. The space shuttle

5. What was first sent into space in the 1990s?

- a. Robots for exploring Mars
- b. The highest rocket ever built
- c. *Columbia*
- d. The Hubble telescope

## Summary

Fill in the blanks with the words.

liquid	parachutes	launch	space shuttle	scientist
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The first rockets were Chinese fireworks using gunpowder. After Newton developed the Three Laws of Motion, a scientist used them to make rockets that went where he wanted them to go. Then in the twentieth century, a Russian and an American had the idea of using liquid fuel in rockets. The American, Robert Goddard, created a way to control rockets. He also used parachutes to help them land. The German V2 rocket was used in World War II. After that, the US and Russia both hired German scientists to help them build space rockets. The Russians soon became the first to launch a satellite and to put a man into space. Then the US created NASA. It used a rocket to land men on the moon in 1969. Since then, rockets have sent ships to other planets, helping us to learn about them. Rockets also powered the space shuttle *Columbia*. It was the first spacecraft to land like an airplane. Who knows what the future of rockets will bring?