

Liquid Robots: Real-Life Terminators

ESL Reading Worksheet -- Elementary | tahricteaches.com

In the movie Terminator 2, there is a **robot** made of liquid metal. It can change shape and squeeze through small spaces. Now, scientists in South Korea have made tiny robots that can do some of the same things. These little robots are about the size of a grain of **rice**.

Each robot is a drop of **water** covered with a special powder called Teflon. Teflon is the same **material** used on non-stick pans. The powder makes a hard shell around the water. Scientists use **sound** waves to move the robots around. The robots can roll, slide, and even float.

The coolest thing about these robots is that they can change **shape**. In one test, a robot squeezed through metal bars by making itself flat. Then it went back to its round shape on the other side. Two robots can also **join** together to become one bigger robot. This is like how cells work in our bodies.

Scientists also put different **chemicals** inside two robots. The robots jumped off a high spot, joined together, and the chemicals mixed inside. This means the robots can carry and mix tiny amounts of medicine or other **substances**.

One day, doctors might use these robots to bring **medicine** inside our bodies to fight diseases. Because they are made of water, they are safe. Scientists are very excited about what these tiny robots can do in the **future**.

A. Vocabulary

- | | |
|---------------------|---|
| 1. robot _____ | a. a machine that can do tasks by itself |
| 2. rice _____ | b. a small white grain used as food |
| 3. water _____ | c. a clear liquid we drink and need to live |
| 4. material _____ | d. what something is made from |
| 5. sound _____ | e. something you hear, like music or noise |
| 6. shape _____ | f. the form or outline of something |
| 7. join _____ | g. to come together or connect |
| 8. chemicals _____ | h. special substances used in science |
| 9. substances _____ | i. types of matter or material |
| 10. future _____ | j. the time that has not happened yet |

B. True or False

- | | | |
|--|---|---|
| 1. The T-1000 is from a real news story. _____ | 2. The tiny robots are about the size of a grain of rice. _____ | 3. The robots are made of metal. _____ |
| 4. Teflon is used on non-stick pans. _____ | 5. The robots are moved by magnets. _____ | 6. A robot can squeeze through metal bars. _____ |
| 7. Two robots cannot join together. _____ | 8. The robots might be used for medicine. _____ | 9. The robots are made of water and Teflon. _____ |

C. Fill in the Blanks

Word Bank: robot, water, shape, join, sound, future, medicine

- Each tiny _____ is about the size of a grain of rice.
- The robots are made of _____ covered with Teflon powder.
- Scientists use _____ waves to move the robots.
- The robots can change their _____ to squeeze through small spaces.
- Two robots can _____ together to become one bigger robot.

D. Comprehension Questions

- What movie inspired the idea of liquid robots?
- What are the tiny robots made of?
- How do scientists move the robots?
- What happened when a robot met metal bars?
- How might doctors use these robots in the future?

E. Discussion Questions

- Would you like to have a tiny robot helper? What would it do?
- What is your favorite robot from a movie or TV show?
- Do you think robots will be more helpful or more scary in the future?

Answer Key

A. Vocabulary: 1-a, 2-b, 3-c, 4-d, 5-e, 6-f, 7-g, 8-h, 9-i, 10-j

B. True/False: 1. F (from a movie), 2. T, 3. F (water and Teflon), 4. T, 5. F (sound waves), 6. T, 7. F (they can join), 8. T, 9. T

C. Fill Blanks: 1. robot, 2. water, 3. sound, 4. shape, 5. join

D. Comprehension: 1. Terminator 2. 2. Water covered with Teflon powder. 3. They use sound waves. 4. It squeezed through and reformed. 5. To deliver medicine inside the body.