4.2 Robots That Repair Themselves Worksheet

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Robots That Repair Themselves

A. *Listen to the Technology Report and take notes below.*
B. Use your notes to answer the questions below.

1. Robots can behave in the same way as ____________?

2. Robots can do these things:
   a. 
   b. 
   c. 

3. Some day, robots may ______________________, too.

4. Two robots named Spirit and Opportunity, were sent to Mars on a mission to _____________ the red planet.

5. Jeff Clune says robots also help people in ________________________

6. He says robots are deployed in search and rescue operations following an ________________

7. They may be used to ___________ the wreckage of a ________________ accident, like the one in Fukushima, Japan.

8. Clune says robots can be sent to a lot of places said to be:
   a. dangerous
   b. dirty
   c. dull

9. The problem is that all of those types of situations and ___________________ are extremely unpredictable and hostile.

10. What kind of robot technology are Clun and other scientists developing?
11. They want the ______________ to have the ability to make changes and continue performing until they can be repaired.

12. They say they ___________________________ a hexapod robot, one with 6 legs, and a robotic arm to learn how to deal with injury.

13. What did Clune say happens once the robots become damaged?

14. What did Clune say the robots are also programmed with?

15. How long does it take for a robot to overcome damage?

Listen to the Technology Report again to check your answers.