



Name: \_\_\_\_\_ Date: \_\_\_\_\_

## SMART MANUFACTURING ACTIVITY WORKSHEET

Instructions: Visit [ctdidi.com/smart-mfg](http://ctdidi.com/smart-mfg) to download the Smart Manufacturing Comic Book and App. Explore the comic book and answer the questions below.

1. What part of the robotic arm do you have to fix when it stops working?

\_\_\_ █ \_\_\_ █ \_\_\_ █  
17 14 15

2. What is the internal temperature of the 3D printers that produce the drones?

\_\_\_ °C

3. What are the two options for materials for the drone bodies?

\_\_\_ █ \_\_\_ █ \_\_\_ █ & \_\_\_ █ - \_\_\_ █ \_\_\_ █  
16 18 7 3 5 11

4. How much of the raw material is left for the 3D printers to use?

\_\_\_ %

5. Who tells you to add the batteries and electronics to the drones?

\_\_\_ █ \_\_\_ █ \_\_\_ █ \_\_\_ █ \_\_\_ █  
10 4 8 2 3

6. What is the name of the type of technology that this app uses to show you 3D images?

\_\_\_ █ \_\_\_ █ \_\_\_ █ \_\_\_ █ \_\_\_ █ \_\_\_ █  
9 13 1 12 6

7. What is the accuracy of the robotic arm used to assemble the drones?

\_\_\_ . \_\_\_ %

BONUS: \_\_\_\_\_ !

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18